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Cavalier, C.

1967.

catalogue

#1-#1074

calif.

costa Rica

Panama







Identification of bird skins and skeletons  
of acc# 10701 (Costa Rica) and acc. # 10712  
(Panama) added 2-8-71.

C. Carhart

Similarly with mammals

2-11-71 L. Kishler

Same with reptiles and amphibians

2-16-71 J. Edwards







## Catalogue

Groggys Island. Salinas Co. Calif.

April 3, 1967

1. ♂ Redwing blackbird testis 11 mm. 60g.  
3 mi W. Lindsay, Tulare Co. Calif

June 14, 1967

2. ♀ Brewer blackbird ova 6 mm 51g.  
3. ♀ Brewer blackbird brood patch ova 5 mm 54.5g.  
4. ♂ Brewer blackbird testis 3 mm 65.6g  
5. ♂ Brewer blackbird testis 11 mm ~~65.5g~~  
6. ♂ Brewer blackbird testis 14 mm 70g.

Original stock from Boone Co., Missouri

June 28, 1967

ACC 10678

VERY FAT

- 7 ♀ Microtus OCHROGASTER 6emb x 9mm 151-33-16-12 = 56g  
8 ♂ " " " " 159-41-19-11 73g  
9. ♂ " " " " 155-40-19-12 62.2g  
10. ♂ " " " " 150-33-17-12 53g  
11. ♂ " " " " 160-35-20-13 55g  
12. ♀ " " " " 140-30-18-12 39g  
13. ♂ " " " " 168-42-21-13 74g  
14. ♂ " " " " 145-30-19-11 51.5g  
15. ♀ " " " " NO FRONT LEGS 142-30-17-11 45g  
16 ♀ " " " " 154-(31)-19-11 62.5g

Los Diamantes Farm 1 mi S.E. Guapiles, Limón  
Prov. Costa Rica 300 meters (alt)

July 23, 1967

- 17 ♀ Colonia colonus fleuronotus ovary 1 mm 14g.  
18 ♀ Lepidocolaptes souleyetii compressus S.O. ova truncate, not lat. 28g  
19 ♀ Pitangus sulfuratus guatemalensis ova 1 mm not lat 66g







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Catalogue

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Los Diamantes Farm 1 mi S.E. Guapiles, Limon  
Proor., Costa Rica alt 300 meters

July 23, 1967

- 20 ♂ <sup>Crotophaga sulcirostris sulcirostris</sup> ~~Ground killed Ani~~ (know blood ani) S.O. no fat testis 10x6 mm 78g  
21 *Crotophaga sulcirostris* alcoholic 86g

Forest w of Rio Tarro Amario Bridge; 4 mi. W. Guapiles  
Limón Proor., Costa Rica

July 24, 1967

- 22 ♂ *Caecus uropygialis microorhynchus* S.O. no fat S.O. testis 8x10 76g  
23 ♀ *Caecus uropygialis microorhynchus* S. 3/4 O. no fat ova 9x9 59g  
24 ♀ *Lepidocolaptes souleyetii compressus* S. 1/4 O. no fat ovary 2mm 27g  
25 ~~Logg~~ *Basiliscus basiliscus* 37g  
26 ♀ ~~small (P) f. 1/2~~ largest ovum 1mm alcoholic 31g  
~~27 ♀~~  
~~28 ♂~~ testis 3x4 alcoholic 11g  
28 ♀ ova minute alcoholic 37g  
29 ♂ *Thryothorus thoracicus* testis 3x5 mm not fat 18g  
30 ♂ *Myiobius sulphureopygius aureatus* S.O. no fat molting 12g

Los Diamantes Farm 1 mi S.E. Guapiles, Limon Proor., Costa Rica

July 25, 1967

- 31 ♀ ~~small (P) f. 1/2~~ granular ovary 9. granular alcoholic 16g  
32 ♂ ~~small (P) f. 1/2~~ testis 11x4 alcoholic 74g  
33 ♂ *Pitangus sulphuratus* <sup>guatemalensis</sup> mate 34 no fat molting S.O. molting testis 7x3 70.5g  
34 ♀ *Pitangus sulphuratus* <sup>guatemalensis</sup> mate 33 molting S. 1/2 O. no fat ovary 2mm 75.9g  
35 ♂ *Arremon aurantivestris rufidorsalis* testis 13x9, S.O. no fat 30.5  
36 ♀ *Pionus senilis decoloratus* S.O. FAT largest ovum 1.5mm molting 230.5g  
37 ♀ *Manacus candei* S.O. not fat largest ovum 5x6mm 21g  
38 ? *Phaethornis longuemareus* <sup>saturatus</sup> S. 1/4 O. no fat 2.2g  
39 ♂ *Pionus senilis decoloratus* molt FAT S.O. testes 4 1/2 x 1 mm 237g







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# Catalogue

Los Diamantes Farm, 1 mi SE. Guapiles, Limon Prov. Costa Rica

July 26, 1967

40. ♀ molt ovary granular alcoholic 3g.  
41 ♂ molt testis 7x3 mm alcoholic 69.5g  
42 ♂ *Columbagallina talpacoti rufipennis* molt test 8x4 mm S.O. no fat 42.5g  
43 ? *Phaethornis longuemaneus saturatus* SNO no fat 2.5g  
44 ♂ *Cyanocompsa cyanoides caerulea* molt testis 6x7 mm S.O. no fat 33.8g  
45 ♀ *Habia fuscicauda fuscicauda* molt ovum minute S.O. no fat 35.8g  
46 ♂ *Gymnostinops montezuma* molt testis 15x6 mm S<sup>3</sup>/5 O. no fat 245.5g

July 27

- 47 ♂ *Ramphocelus passerinii passerinii* testis 11x7 S.O. little fat 37g.  
skeleton 48 ♀ *identif. not certain - put in Dept. Zool. collection* molt ovary granular no fat 49.5g  
49 ♂ *Lepidocolaptes souleyetii compressus* molt testis 6x3 1/2 S.O. no fat 32.5g  
50 ♂ *Centurus pucherani pucherani* 5x4 mm molt testis ~~5x4~~ S.O. no fat 68.8g  
51 ♂ *Cacicus uropygialis microrhynchus* molt testis 9x6 mm S.O. no fat 70.2g  
52 ♂ *Nyctidromis albicollis intercedens* molt testis 6x2 S.O. no fat 68.2g  
53 ? *Sylvilagus brasiliensis gabbi* "P" 8-39-24 no fat 63g  
54 ? *Sylvilagus brasiliensis gabbi* 138-8-34-22 no fat 62.5g  
skeleton 55 ♀ *Sylvilagus brasiliensis gabbi* ovary minute 136-7-38-21 no fat 49.5g

July 28

- 56 ♀ *Manacus candei* largest 1 mm no mol ovum no fat 5.0 16.5g  
57 ♂ *Tachyphonus rufus* molt testis 8x5 mm S.O. no fat 34.5g

July 29

- 58 *Tanagra gouldi gouldi* molt testis 5x3 mm S<sup>3</sup>/5 O. no fat 72g.  
59 ♂ *Sporophila aurita corvina* testis 6x7 mm S.O. no fat 12g  
60 ♂ *Clavaria pretiosa* testis 12x5 1/2 S<sup>7</sup>/8 O. no fat 78.5g  
skeleton 61 ♂ *Crotophaga sulcirostris* molt testis 6x4 mm S. 6 no fat 82.5g  
skeleton 62 ♂ *identif. not certain - put in Dept. Zool. collection* molt testis 4x1 mm S.O. FAT 209g.







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## Catalogue

Las Diamantas Farm 1 mi SE Guapiles, Limón Prov., Costa Rica

July 29 (cont)

- 63 ♂ *Gymnostrops montezuma* S.O. testes  $16 \times 3$  mm molt no fat 237g  
64 ♀ *Manacus candei* S.O. ovary minute molt no fat 15.5g  
65 ♂ *Lepidocolaptes souleyetti compressus* S. 30. testes  $1\frac{1}{4}$  mm no fat 27g  
skeleton 66 ♂ *Psilorrhinus morio* ? testes 3 mm molt no fat 251g

1.5 mi S Cariblanco, Heredia Prov. Costa Rica 2800ft

August 2, 1967

- 67 ♀ *Chlorophanes spiza arguta* SNO ovar minute molt no fat 19.7g  
68 ♀ *Xenops minutus ridgwayi* S. 60 ovar minute no fat 12.5g  
69 ♂ *Leptopogon superciliosus hellmayri* S. 30. testes 1.5 mm no fat 11.5g  
70 ♀ *Chlorospingus ophthalmicus regionalis* SNO ovary 1 mm molt no fat 21g  
71 ? *Lysurus crassirostris* S.O. molt no fat 37g  
72 ♂ *Phlogothraupis sanguinolenta aprica* S. 20. testes  $6 \times 4$  mm molt no fat 41g  
73 *Eupemphix pustulosus*

August 3, 1967

- 74 ♂ *Cyanerpes lucidus isthmicus* S.O. testes  $5 \times 4$  mm no fat 12g.

August 4, 1967

- 75 ♂ *Cyanolyca cucullata cucullata* S. 20 testes 1 mm molt no fat 88.5g  
76 ? *Chlorospingus ophthalmicus regionalis* S. 60 — molt no fat 20g.  
77 ♀ *Lysurus crassirostris* S.O. ovar minute molt no fat 32.5g  
78 ? *Piranga leucoptera latissciata* SNO molt no fat 16.5g  
79 ♀ *Myioborus miniatus comptus* S. 60 ovar minute no fat 9.2g  
80 ♂ *Carollia perspicillata azteca* 42 -  $6\frac{1}{2}$  mm testes  $5 \times 7$  mm no fat 21.5g  
81 ♂ *Piaya cayana thermophila* S.O. testes  $1.5$  mm MOLT no fat 9.5g  
82 ♂ *Cyanolyca cucullata cucullata* S.O. testes 1 mm molt no fat 90.3g

August 5, 1967

- 83 ♂ *Coereba flaveola mexicana* S. 40 testes  $4 \times 7$  mm no fat 9.52g  
84 ? *Mitrephanes phaeocercus aurantiiventris* S.O. molt no fat 9g.







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## Catalogue

2 mi S.E. Cariblanco, Heredia Prov. Costa Rica 3000 ft

August 5, 1967

85. ♂ *Tangara gyrola bangsi* some fat SNO testes 1x2 mm 25.5g  
86. ♂ *Sciurus granatensis hoffmanni* <sup>testes 3.5x1.5 mm</sup> 360-16-56-24 286g.  
~~86. ♂ *Tangara gyrola bangsi* some fat SNO ovaries minute molt 25g.~~  
86. ♀ *Tangara gyrola bangsi* some fat SNO ovaries minute molt 25g.  
87. ♂ *Tanagra amerea amerea* no fat SNO testes 1x2 15.5g  
alcoholic 88. ♀ *Tanagra amerea amerea* no fat SNO ovaries minute 20. g.

1.5 mi S. Cariblanco, Heredia Prov. Costa Rica 2800 ft

August 5, 1967

89. ♀ *Cyanolyca cucullata cucullata* no fat ova minute molt 80.5g  
alcoholic 90. ♀ *Cyanolyca cucullata cucullata* no fat ova minute 7.5g  
alcoholic 91. ♂ *Cyanolyca cucullata cucullata* testes 1 mm 8.5g  
92. ♀ *Thalurania furcata venusta* no fat SNO ova minute molt 4.5g  
alcoholic 93. ♀ *Thalurania furcata venusta* ova minute 3.8g  
94. ♀ *Heliodoxa jacula henryi* no fat SNO largest ova 1 mm 7.8g.  
95. ♀ *Phaethornis guy cornutus* no fat SNO ova minute molt 5.9g

2 mi S.E. Cariblanco, Heredia Prov. Costa Rica 3000 ft

August 5, 1967

96. *Eleutherodactylus* sp.  
97. *Gonatodes* sp.

1.5 mi S Cariblanco, Heredia Prov. Costa Rica 2800

August 5, 1967

98. ♂ *Sturnia ludovici* <sup>ing testes 3x3 mm</sup> 66-14-17/44-8 21.2g  
99. ~~99. *Sturnia ludovici* 66-14-17/44-8 21.2g~~  
100. ♂(?) *Carollia perspicillata azteca* 67-9-13-17.5/36-5 13.9g  
101. ♂ *ORYZOMYS devius* 213-113-30-19/ testes 6x2 mm 28.5g.  
102. ♀ *ORYZOMYS fulvescens (costaricensis?)* 214-129-21-12.5 lactating FAT 20.2g  
alcoholic 109. *ORYZOMYS* 180-82-30-20 31.5g







# Catalogue

1.5 mi<sup>s</sup> Cariblanco, Heredia Prov. Costa Rica 2800 ft

August 6

- see pg 5. 99 ? *Thalurania furcata venusta* 500 no fat molt 4.1g  
103 ♂ *Myioborus miniatus comptus* 500 no fat testes 1mm 9.2g

August 7

- 104 ♂ *Carollia perspicillata azteca* 76-10-7-21 / 45-8 testis 3x6mm 24g  
105 ♂ *Myioborus miniatus comptus* 50 no fat testis 1mm molt 9.8g  
106 *Thalurania furcata venusta* 500 no fat testis minute molt 4.9g  
107 ♀ *Turdus fumigatus obsoletus* 50. no fat ovary minute molt 4.8g  
108 ♂ *Coereba flaveola mexicana* 50. no fat testis 4x7mm 9.8g

alcoholic 109 see August 5, 1967 page 5

- 110 ♂ *Chlorospingus ophthalmicus* <sup>regionalis</sup> 50 no fat & testis 2x4mm 21.9g  
111 ♂ *Tangara icterocephala frantzii* 50 no fat testis 7x9mm 22g

August 8

- 112 ♀ *Trogon collaris puella* 50. no fat ovary minute molt 63.9  
113 ♂ *Orizomys fulvescens (costaricensis?)* 77-105-22-24 testis 4x6mm 12g  
114 ♀ *Peromyscus nudipes* 240-125-25-21 lactating 48.8g  
115 ♀ *Coereba flaveola mexicana* 5 1/2 0 little fat largest ovary 1mm 9.2g  
116 ♀ *Tanager annae annae* 500 no fat ovary minute 14.1g  
117 molt 2.1g  
118 ♀ *Myioborus miniatus comptus* 30 no fat ovary minute molt 9g

August 9

- 119 ♂ *Vampyressa throni* 43- -9-15 / 30-6 testis 2x4mm 7.9g  
120 ♀ *Orizomys devius* 248-139-34-21 lactating ovary 6x2mm 48.5g

1/2 mi SE of Guacacaste Prov. Costa Rica

August 11

- 121 ♀ *Lepidocolaptes souleyeti* <sup>broad patch</sup> *compressus* 5.0. molt, no fat, largest ovary 2x3mm 28.2g  
122 ♂ *Volatina jacarina splendens* 5 1/4 0 no fat testis 5x4mm 8.4g







C. Powell  
1967

Peta Lopez

7

1/2 mi S.E. of

Finca Jimenez, Guanacaste Prov. Costa Rica

34 feet

August 11

August 11, 1967

123 ♂ Polioptila albiloris albiloris S.O. molt no fat testes 5x4mm 6.1g

124 ♂ Columbagallina passerina <sup>neglecta</sup> S.O. molt ~~no~~ fat testes 8x4mm 42.1g

125 ♀ Columbagallina passerina <sup>neglecta</sup> S.O. molt fat ovum visible 31.2g

August 12, 1967

126 ♀ Sigmodon hispidus borucae 157-89-29-19 ovary 5x2mm 51.5g

skelton 127 ♀ Buteo marinus

128 ♀ Megarhynchus pitangua mexicanus <sup>mate #125</sup> S.O. molt little fat <sup>largest</sup> ovum 2mm ± 64g

129 ♂ Megarhynchus pitangua mexicanus <sup>mate #128</sup> S.O. molt little fat testes 15x8mm 72g

alcoholic 130

131 ♂ Hylophilus decurtatus pallidus S<sup>3</sup>40. no fat testes 5x7mm 9.1g

alcoholic 132

alcoholic 133

134 ♂ Volatinia jacarina splendens S.O. no fat testes 4x5mm 8.3g

134 Volatinia jacarina splendens S.O. no fat testes 5x4mm 8.2g

135 ♂ Sporophila torqueola morelleti S.O. no fat testes 5x6mm 8.2g

August 13, 1967

136 ♂ Volatinia jacarina splendens S.O. no fat testes 3x6mm 8.3g

137 ♂ Myiopagis viridicincta accola S.O. molt no fat testes 7x5mm 14g

138 ♀ Todirostrum cinereum finitimum <sup>1/2</sup> S.O. molt <sup>no</sup> little fat <sup>ovum</sup> visible 6.1g

139 ♀ Buteo magnirostris petulans S.O. little fat <sup>largest</sup> ovum 1mm 297g

at Finca Jimenez, Guanacaste Prov. Costa Rica

August 13, 1967

alcoholic 140

141 ♂ Columbagallina passerina neglecta S.O. molt mod fat. testes 5x10mm 38.5g

142 ♂ Cyanerpes cyaneus carneipes S<sup>2</sup>30 mod. fat testes 6x8mm 13g

143 ♂ Cyanerpes cyaneus carneipes S.O. mod fat testes 5x8mm 15.8g

144 ♂ Volatinia jacarina splendens S.O. no fat testes 5x6mm 12g







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# Catalogue

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Finca Timenez, Guanacaste Prov. Costa Rica  
August 14, 1967

- 145 ♀ *Liomys salvini vulcani* <sup>221</sup>~~111~~-114-27-15 <sup>ovary</sup> 3x1.5mm 46g.
- 146 ♂ *Tanagra lanta*? proba S.O. some fat molt testes 1x2mm 17.9g
- 147 ♂ *Campylorhynchus rufimucha capistratus* S<sup>1</sup>/<sub>2</sub>0 no fat testes 3x5mm 37g
- 148 ♂ *Amophila ruficauda ruficauda* S<sup>3</sup>/<sub>4</sub>0 some fat test <sup>5x7</sup>~~5x7~~mm ± 33g
- 149 ♂ *Volatinia jacarina splendens* S.O. no fat testes 5x6mm 9g.
- 150 ♂ *Nyctidromis albicollis intercedens* S.O. no fat molt testes 5x2mm ± 56g
- 151 ♂ *Tyto alba guatemalae* S.O. no fat molt testes 10x1mm -

August 15

- 152 ♂ *Liomys salvini vulcani* <sup>some fat</sup> 254-120-29-15 testes 43x<sup>11</sup>mm 61.5g

alcoholic 153 78g  
alcoholic 154 72g  
alcoholic 155 32.1g  
alcoholic 156 44g  
alcoholic 157 6g.

August 16

alcoholic 158 4g  
alcoholic 159 8.2g  
alcoholic 160 8.4g  
alcoholic 161 8.2g

August 17

- 162 ♀ *Myiopagis viridicata accola* <sup>gularis cap. fuscata</sup> S<sup>1</sup>/<sub>2</sub>0. S<sup>1</sup>/<sub>2</sub> little fat molt ovar 1mm 13.1g.
- 163 ♂ *Myiarchus nuttingi nuttingi* S.O. no fat molt testes 4x1mm
- 164 ♂ *Campylorhynchus rufimucha* <sup>capistratus</sup> S<sup>3</sup>/<sub>4</sub>0. no fat testes 5x4mm 36.1g
- 165 ♂ *Hypomorphnus urubitinga ridgwayi* S.O. no fat molt testes 10x2mm

alcoholic 164. 11g.







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# Catalogue

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## Finca Jimenez, Guanacaste Prov. Costa Rica

August 18

- 167 ♂ <sup>eropygus</sup> ~~Morococcyx~~ erythropygus <sup>eropygus</sup> S<sup>1</sup>/<sub>2</sub>0. molt no fat testes 5x3mm 65g.  
168 ♀ Centurus hoffmanni S.O. no fat ovum minute 63g.  
169 ♀ Aratinga canicularis canicularis S<sup>3</sup>/<sub>4</sub>0. no fat <sup>largest</sup> ovum 1mm 82.1g.  
170 ♂ Centurus hoffmanni S<sup>3</sup>/<sub>4</sub>0. no fat testes 2x1mm 76.5g.  
171 ♂ Sporophila torqueola moreletii S.O. no fat testes 5x8mm 9.5g.  
172 ♂ Tyto alba guatemalae S.O. molt <sup>mod</sup> fat testes 10x2mm —

1 mi S.E. of Finca ~~Jimenez~~ Jimenez, Guanacaste Prov. <sup>Costa</sup> Rica

August 19

- 173 ♀ Heterocercus mexicanus mexicanus no fat <sup>6x4mm</sup> largest ovum —  
174 ~~Leptocercus~~ <sup>Leptocercus</sup> 20g  
175 ♀ Alouatta villosa palliata 625-344-94-31 <sup>to osary</sup> 4x1mm —  
176 8.1g

~~177~~ Villa Mills 5.1 mi SE Cerro de la Muerta, Cartago Prov. Costa Rica

August 25

- 177 ♂ <sup>Turdus nigrescens</sup> ~~Turdus nigrescens~~ S.O. no fat testes 2x1mm 97.5g

August 26

- 178 ♂ <sup>Chlorospingus pileatus</sup> ~~Chlorospingus~~ pileatus pileatus S.O. molt no fat testes 5x7mm 21.5g  
179 ♂ <sup>Chlorospingus pileatus</sup> ~~Chlorospingus~~ pileatus pileatus SNO molt little fat testes 1x1/2mm 20.5g  
180 ♂ <sup>Chlorospingus pileatus</sup> ~~Chlorospingus~~ pileatus pileatus S.O. molt little fat testes 2x4mm 23g  
181 ♂ <sup>Chlorospingus pileatus</sup> ~~Chlorospingus~~ pileatus pileatus S<sup>1</sup>/<sub>2</sub>0. molt little fat testes 5x4mm 19.5g  
182 ♂ Reithrodontomys creper 197-120-23-18 no fat testes 6x3mm 13.8g

- alcoholic 183 28.9g  
alcoholic 184 28.5g  
185 ♀ <sup>Junco vulcani</sup> ~~Junco~~ vulcani S<sup>1</sup>/<sub>2</sub>0. little fat ovum 1mm 27.5g  
alcoholic 186 Scotinomys (longipilosus?) 146-69-22-16 - 27.5g  
187 ♂ <sup>Turdus nigrescens</sup> ~~Turdus nigrescens~~ S.O. little fat molt ovum minute 103.5g







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Villa Mills 5.1 mi SE Cerro de la Muerte, Cartago Prov. Costa Rica

August 26 (cont)

188 ♂ *Catharus gracilirostris* *gracilirostris* 5 3/40. no fat molt testis 1 mm 21.8g

alcoholic 189

190 ♂ *Notiochelidon cyanoleuca* *cyanoleuca* SNO no fat testis 1 x 1/2 mm 8.5g

191 ♂ *Junco vulcani* S.O. little fat testis 5 x 4 mm 27.8g

Linda Vista Nursery, Dulce Nombre, Cartago Prov. Costa Rica

August 25

192 ♂ *Melospiza bicincta* *Cabanis* S.O. no fat molt testis 4 x 8 mm 26.5g

193 ♀ *Zonotrichia capensis costaricensis* S.O. no fat largest ovum 1 mm 17.9g

Villa Mills 5.1 mi SE Cerro de la Muerte, Cartago Prov. Costa Rica

August 27

194 ♀ *Zonotrichia capensis costaricensis* S.O. some fat largest ovum 1.5 mm 21.9g

195 ♂ *Diglossa plumbea plumbea* 5 3/40. some fat testis 4 x 6 mm 9.3g

196 ♂ *Sciorus granatensis hoffmanni* 359-174-51-26 abdominal testis 4 x 8 mm 237g

197 ♂ *Catharus gracilirostris* *gracilirostris* 5 3/40. molt no fat testis 2 x 1/2 mm 22g.

198 ♀ *Eugenes fulgens spectabilis* SNO no fat largest ovum 1 mm 8g.

199 ♂ *Pantherpe insignis* SNO little fat testis 2 x 2 mm 5.9g.

August 28

200 ♂ *Peromyscus mexicanus (saxatilis?)* 230-113-27-24 little fat testes 18 x 7 mm 52.3g

201 ♀ *Peromyscus mexicanus (saxatilis?)* 249-125-28-24 little fat ovum minute 47.9g

202 ♂ *Zonotrichia capensis costaricensis* S.O. no fat testis 3 x 6 mm 22g

203 ♂ *Zonotrichia capensis costaricensis* S.O. little fat testis 5 x 9 mm 21.9g

204 ♂ *Pezopetes capitalis* SNO little fat testes minute 8.2g

205 ♂ *Pezopetes capitalis* S.O. molt little fat testis 3 x 4 mm 58.2g

206 ♂ *Pezopetes capitalis* S.O. little fat testis 9 x 5 mm 56g.

207 ♀ *Turdus nigrescens* S.O. molt no fat ovum minute 97.9g.

208 ♂ *Scotinomys (longipilosus?)* 143-69-20-16 testis 4 x 6 mm 16.3g

August 29







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Yaviza, Darien Prov., Panama  
September 12

alcoholic 209 ? *Amastidium* sp.

~~at 210~~ September 13

alcoholic 210 ? *Bothrops atrox*

alcoholic 211 [*Columbina talpacoti* REJ]

alcoholic 212 *Bufo marinus*  
Rio Pirre, 4 km SW, El Real, Darien Prov., Rep de Panama  
September 14

alcoholic 213

214 ? *Pionopsitta haematotis* <sup>haematotis</sup> *coccini collis* S.O. molt fat

215 ? " " " S.O. fat

216 ? *Pteroglossus torquatus* *torquatus* S.O. molt no fat

217 ♀ *Phalacrocorax o. olivaceus* ovum S.O. little fat

218 ♂ *Florida caerulescens* testes 4x3 5/8 S.O. little fat

alcoholic 219 [*Actitis macularia* REJ]  
Yaviza, Darien Prov., Rep. de Panama

alcoholic 220 *Bothrops atrox*

September 15

alcoholic 221 *Basiliscus basiliscus*

alcoholic 222 " "

alcoholic 223 " "

alcoholic 224 " "

alcoholic 225 ♂ *Cnemidophorus lemniscatus*

alcoholic 226 ♂ " "

alcoholic 227 ♂ " "

alcoholic 228 ♂ " "

alcoholic 229 ♂ *Cnemidophorus lemniscatus*

alcoholic 230 " "

alcoholic 231 " "







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Zaviza, Darien Prov. Rep. de Panama

September 15 (cont)

- alcoholic 232 ♂ *Cnemidophorus lemniscatus*  
alcoholic 233 " "  
alcoholic 234 ♂ " "  
alcoholic 235 " "  
alcoholic 236 " "  
alcoholic 237 " "  
alcoholic 238 " "  
alcoholic 239 " "  
alcoholic 240 " "  
alcoholic 241 " "  
alcoholic 242 " "  
alcoholic 243 *Basiliscus basiliscus*  
alcoholic 244 *Mabuya mabouya*  
alcoholic 245 *Cnemidophorus lemniscatus*  
alcoholic 246 " "

247 ♀ *Casmerodius albus egretta* ex mono S.O. no fat

September 16

248

~~(248)~~ 7<sup>00</sup> AM Rio Chucunague

- alcoholic 249 *Cnemidophorus lemniscatus*  
alcoholic 250 " "  
alcoholic 251 *Cnemidophorus lemniscatus*  
alcoholic 252 " "  
alcoholic 253 " "  
alcoholic 254 " "  
alcoholic 255 " "  
alcoholic 256 " "







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Catalogue

13

Yaviza, Darien Prov., Rep. de Panama  
September 16 cont.

- alcoholic 257 *Cnemidophorus lemniscatus*  
alcoholic 258 " "  
alcoholic 259 " "  
alcoholic 260 " "  
alcoholic 261 " "  
alcoholic 262 " "  
alcoholic 263 " "  
alcoholic 264 " "  
alcoholic 265 " "  
266 *DASYPTERUS ega panamensis* 128-68-18-15/50-8  
267 ♀(?) *Uroderma bilobatum bilobatum* 61- - 12-17/41-6 P.S.  
268 ♂ *Uroderma bilobatum bilobatum* 57- - 10-17/40-6 scrotal 3x5 mm P.S.  
alcoholic 269 *Uroderma bilobatum bilobatum*  
alcoholic 270 *Uroderma bilobatum bilobatum*  
alcoholic 271 *Bufo marinus*  
alcoholic 272 *Uroderma bilobatum bilobatum* P.S.  
alcoholic 273 *Uroderma bilobatum bilobatum*  
alcoholic 274 *Uroderma bilobatum bilobatum*  
alcoholic 275 *Cnemidophorus lemniscatus*  
alcoholic 276 *Bufo marinus*  
alcoholic 277 *Cnemidophorus lemniscatus*  
alcoholic 278 *Cnemidophorus lemniscatus*  
alcoholic 279 " "  
alcoholic 280 " "  
alcoholic 281 *Basiliscus basiliscus*  
alcoholic 282 " "





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# Patálogo

14

garuja, Darien Prov., Rep de Panama

Sept 16 cont

alcoholic 283	Basiliscus basiliscus
alcoholic 284	Cnemidophorus lemniscatus
alcoholic 285	" "
alcoholic 286	" "
alcoholic 287	" "
alcoholic 288	" "
alcoholic 289	" "
alcoholic 290	Basiliscus basiliscus
alcoholic 291	Cnemidophorus lemniscatus
alcoholic 292	" "
alcoholic 293	" "
alcoholic 294	" "
alcoholic 295	" "
alcoholic 296	" "
alcoholic 297	Gonatodes sp.
alcoholic 298	" "
alcoholic 299	" "
alcoholic 300	" "
alcoholic 301	Basiliscus basiliscus
alcoholic 302	Gonatodes sp.
alcoholic 303	" "
alcoholic 304	" "
alcoholic 305	" "
alcoholic 306	" "
alcoholic 307	" "
alcoholic 308	" "
alcoholic 309	" "





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Catalogue

15

Yariya, Darian Prov., Rep de Panama

Sept 16<sup>th</sup> cont

- alcoholic 310 Gonatodes sp.  
alcoholic 311 Cnemidophorus lemniscatus  
alcoholic 312 Gonatodes sp.  
alcoholic 313 " "  
alcoholic 314 " "  
alcoholic 315 " "  
alcoholic 316 " "  
alcoholic 317 " "  
318 Basiliscus basiliscus  
319 Gonatodes sp.  
320 " "

September 17<sup>th</sup>

- skeleton 321 ♂ *Momotus momota* s.o. molt, no fat testis 2x1mm  
skull + skin 322 ♂ *Spilotes pullatus* molt no fat  
alcoholic 333 ♀ *Leptodeira annulata rhombifera* (2) molt 8 eggs  
skeleton 334 ♂ *Leptodeira rhombifera* no fat testis 7x3mm

September 18

in alcohol 335

September 17<sup>th</sup>

- alcoholic 336 Bat *Myotis (myotis?)*  
alcoholic 337 Cnemidophorus lemniscatus  
alcoholic 338 Cnemidophorus lemniscatus  
alcoholic 339 " "  
alcoholic 340 Basiliscus basiliscus  
alcoholic 341 Cnemidophorus lemniscatus  
alcoholic 342 " "  
alcoholic 343 Gonatodes sp.





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# Catalogue

14

Yareza, Larién Prov., Rep de Panama

Sept 17<sup>th</sup> cont

- alcoholic 344 Gonatodes sp.  
alcoholic 345 " "  
alcoholic 346 " "  
alcoholic 347 " "  
alcoholic 348 Cnemidophorus lemniscatus

September 18

- alcoholic 349 Myotis (Myotis?)  
alcoholic 350 " "  
alcoholic 351 " "  
alcoholic 352 " "  
alcoholic 353 " "  
354 ♀ Glaucois hirsuta affinis 5/80, no fat, malt, large ovate 1mm  
alcoholic 355 [Sporophila aurita] RS.  
356 ♀ Butoroides virescens maculatus no fat ova minute  
357 ♂ Uroderma bilobatum bilobatum 57- - 10-17- / 40-6 testes 3x4mm  
358 ♂ Volatinia jacarina splendens no fat testes 4x6  
skelton 359 no fat testes 4x5  
alcoholic 360 [Volatinia jacarina G.T.]  
361 ♂ Glossophaga soricina leachii 64-9-9-15 / 33-4 testes 4x6mm  
362 ♂ Uroderma bilobatum bilobatum 57- - 9-18 / 42-6 testes 4x5mm  
alcoholic 363 Gonatodes sp.  
alcoholic 364 " "  
alcoholic 365 " "  
alcoholic 366 " "  
alcoholic 367 " "  
alcoholic 368 " "  
alcoholic 369 " "





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Catalogue  
Yaruga, Darien Prov., Rep de Panama

17

Sept 18<sup>th</sup> cont

alcoholic 370	Gonatodes	sp.
alcoholic 371	"	"
alcoholic 372	"	"
alcoholic 373	"	"
alcoholic 374	"	"
alcoholic 375	"	"
alcoholic 376	"	"
alcoholic 377	"	"
alcoholic 378	"	"
alcoholic 379	"	"
alcoholic 380	"	"
alcoholic 381	"	"
alcoholic 382	"	"
alcoholic 383	"	"
alcoholic 384	"	"
alcoholic 385	"	"
alcoholic 386	"	"
alcoholic 387	"	"

Sept 19<sup>th</sup>

alcoholic 388	Glossophaga soricina leachii	
alcoholic 389	Glossophaga soricina leachii	
alcoholic 390	[Sporophila aurita aurita REJ]	
alcoholic 391	[Sporophila aurita aurita REJ]	
alcoholic 392	Uroderma bilobatum bilobatum	
alcoholic 393	Uroderma bilobatum bilobatum	
394 ♂	Rhamphocelus flammigerus	icteronotus S.O. no fat, molt, testes 9x4 mm
395 ♂	"	" JNO <sup>little</sup> no fat testes 2x1 mm





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18

Catalogue  
Yaviza, Darien Prov., Rep de Panama

Sept 19<sup>th</sup> cont

396 ♂ *Dasypterus ega panamensis* 110-51-9-17 / 45-7 testis 4x2 mm

397

alcoholic 398

skeleton 399

alcoholic 400

401

*Empidonax minimus*

alcoholic 402

[*Oryzoborus angolensis* *funereus* REJ]

alcoholic 403

[*Oryzoborus angolensis* *funereus* REJ]

404

*Rhamphocelus demidiatus dimidiatus?*

id. uncertain - put in Dept. Zool. collection

skeleton 405

406

*Saltator maximus lundgens*

alcoholic 407

[probably baby *Sporophila*. Couldn't not identify, so discarded REJ]

alcoholic 408

alcoholic 409

alcoholic 410

alcoholic 411

alcoholic 412

alcoholic 413

*Eumops bonariensis nanus*

alcoholic 414

*Basiliscus basiliscus*

alcoholic 415

*Basiliscus basiliscus*

alcoholic 416

*Gonatodes* sp.

alcoholic 417

"

alcoholic 418

"

alcoholic 419

"

alcoholic 420

"

alcoholic 421

"

alcoholic 422

"





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Catalogue

19

Yaviza, Darien Prov., Rep de Panama  
Sept 19<sup>th</sup> cont

alcoholic 423

Gonatodes sp.

alcoholic 424

" "

alcoholic 425

" "

alcoholic 426

" "

alcoholic 427

" "

alcoholic 428

" "

alcoholic 429

" "

alcoholic 430

Mabuya mabouya

alcoholic 431

Hyla rubra

alcoholic 432

" "

alcoholic 433

Basiliscus basiliscus

alcoholic 434

" "

alcoholic 435

September 20

alcoholic 436

Uroderma bilobatum bilobatum

alcoholic 437

Uroderma bilobatum bilobatum

alcoholic 438

Uroderma bilobatum bilobatum

alcoholic 439

Artibeus cinereus watsonii

alcoholic 440

[Spotophila aurita aurita ? REJ]

alcoholic 441

[Dendroica petechia R.S.]

alcoholic 442

skeleton 443

♀ Phyllostomus hastatos panamensis 36-28-20-33/87- fat

444

Phyllostomus hastatos panamensis

37-24-23-32/86-9 fat

~~445~~

1 mi S.W. Yaviza, Darien Prov., Rep de Panama  
Sept 20

alcoholic 445

Leptodeira annulata rhombifera

alcoholic 446

Oscaecili ochrocephala

Yaviza, Darien Prov., Rep de Panama

447

Tyrannus tyrannus

S.O. VERY fat tushy 2x1 mm





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Yaviza, Darien Prov. Rep de Panama

20

Sept 20, cont

skeleton 448 ♂

testis 6x8 mm

449 [Thryothorus leucotis G.T.]

450 ♂ Thryothorus leucotis <sup>gabrai thi</sup> S.O. no fat

testis 2x1 mm

451 ♀ Tanagra <sup>crassirostris</sup> ~~laniirostris~~? S.O. no fat

ovary minute

alcoholic 452 [Volatinia jacarina splendens REJ]

alcoholic 453

alcoholic 454

alcoholic 455

alcoholic 456

alcoholic 457 Myotis (nigricans?)

skeleton 458 ♂

molt, no fat testis 9x7 mm

459 ♀

molt mod. fat largest ovum 3 mm

460

alcoholic 461 Vampyrops helleri

alcoholic 462 Carolia eastanea

463 Carolia perspicillata azteca

464 ~~URODERMA bilobatum bilobatum~~ [Volatinia jacarina splendens REJ]

465 URODERMA bilobatum bilobatum

466 [Thamnophilus bridgesi REJ]

alcoholic 467 [Ramphocelus dimidiatus dimidiatus REJ]

skeleton 468 Praga cayana

469

alcoholic 470 Mabuya mabouya

alcoholic 471 Basiliscus basiliscus

alcoholic 472

"

"

alcoholic 473 Gonatodes sp.

alcoholic 474

"

"





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21

Yaviza, Darien Prov., Rep. de Panama

Sept. 20 cont

alcoholic 475 Gonatodes

alcoholic 476 " "

alcoholic 477 " "

alcoholic 478 " "

alcoholic 479 " "

alcoholic 480 Pseustes poecilonotus

Sept 21, 1967

alcoholic 481 URODERMA bilobatum bilobatum

alcoholic 482 ARTIBEUS lituratus palmarum

483 ♀ Nyctidromus albicollis albicollis S.O. mod fat largest oval mm

484 ♂ " " " S.O. mod fat testis 8 x 1 1/2 mm

alcoholic 485 [Glaucis aenea REJ]

alcoholic 486 Hypsiglena torquata (3)

alcoholic 487 Epicrates cenchrea

alcoholic 488 " "

alcoholic 489 Bufo marinus

alcoholic 490 " "

alcoholic 491 " "

alcoholic 492

alcoholic 493

alcoholic 494 URODERMA bilobatum bilobatum

alcoholic 495

alcoholic 496

alcoholic 497

alcoholic 498

alcoholic 499

alcoholic 500





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Catalogue

22

Yaviza, Darien Prov., Rep. de Panama

Sept 21, 1967

alcoholic 501

alcoholic 502

alcoholic 503

Myotis (myotis?)

alcoholic 504

Desypterus ega panamensis

alcoholic 505

alcoholic 506

Myotis (myotis?)  
group fat

507

alcoholic 508

Gonatodes sp.

alcoholic 509

"

alcoholic 510

"

alcoholic 511

"

alcoholic 512

"

alcoholic 513

"

alcoholic 514

Hyla microcephala microcephala

Sept. 22<sup>nd</sup>

515

♀? Seiurus nova boracensis <sup>notabilis</sup> S.O. no fat

516

♀ Thraupis palmarum atripennis S.O., no fat, molt,

517

♀ Tangara inornata langwens S.O. no fat largest ova 1mm

518

♂ ARTIBEUS jamaicensis jamaicensis 78- -15-22 / 59-7 testes 6x4mm

519

♀ ARTIBEUS <sup>lituratus palmarum</sup> jamaicensis jamaicensis 89- -17-26 / 73-8 fat

alcoholic 520

URODERMA bilobatum bilobatum 60- -11-16 / 39-6

521

? Sporophila nigricollis nigricollis S.N.O. mod. fat

skeleton 522

? Sporophila americana? SNO. no fat

skeleton 523

♀ Bufo marinus

524

♀ Tanagra laniirostris? crassirostris SNO no fat ova minute

525

? Pipromorpha oleaginea pareia SNO. no fat ~~one~~ molt

alcoholic 526

[Oryzoborus angolensis funereus G.T.]





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Catalogue

23

Yaviza, Darien Prov., Rep de Panama  
Sept 22<sup>nd</sup> cont.

- alcoholic 527 [Volatinia jacarina splendens REJ.]  
alcoholic 528 [Sporophila aurita? RS]  
529 FISH (Bag of)  
alcoholic 530 Myotis (myotis)  
alcoholic 531 URODERMA bilobatum bilobatum  
alcoholic 532 URODERMA bilobatum bilobatum  
alcoholic 533 URODERMA bilobatum bilobatum  
alcoholic 534 URODERMA bilobatum bilobatum  
alcoholic 535 URODERMA bilobatum bilobatum  
alcoholic 536 ARTIBEUS jamaicensis jamaicensis  
alcoholic 537 ~~Shrew~~ ~~sp.~~  
alcoholic 538 Leptodactylus sp.  
alcoholic 539 Hyla rubra  
alcoholic 540 " "  
alcoholic 541 Engystomops pustulosus  
542 Cnemidophorus lemniscatus  
543 Mabuya mabouya  
544 Basiliscus basiliscus  
545 " "  
546 " "  
547 " "  
548

Sept 23

- ~~549~~ 549 ♂ Myiodonastes luteiventris luteiventris? S.O. little fat testes 3x1 mm  
550 ♂ Dendroica petechia brewsteri? S.O. no fat testes 1 mm  
551  
alcoholic 552 [Clarisia pretiosa RS]





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# Z Catalogue

24

Yaviza, Darien Prov., Rep de Panama

Sept 23

- alcoholic 553 [Damophila julie R.S.]  
alcoholic 554 Carollia castanea  
alcoholic 555 [Oryzoborus angolensis funereus G.T.]  
2.5 km E. Yaviza, Darien Prov., Rep de Panama  
556 ? Sylvilagus brasiliensis messorius little fat  
557 ? Sylvilagus brasiliensis messorius 42-13-31-17 little fat  
558 ? Sylvilagus brasiliensis messorius 38-10-32-20 little fat  
Yaviza, Darien Prov., Rep de Panama  
559 Cabassosus centralis 518-167-68-33 some fat  
2.5 km E. Yaviza, Darien Prov., Rep de Panama  
560 ♂ Aramides cajanea cajanea 5.0. no fat testes 7x1 mm  
Yaviza, Darien Prov., Rep de Panama  
skeleton 561 ♂ Sporophila americana? 5.0. little fat. testes 6x7 mm  
alcoholic 562 ♂ Cnemidophorus lemniscatus  
skeleton 563 ♂ Cnemidophorus lemniscatus  
skeleton 564 ♂ " "  
alcoholic 565 ♂ Cnemidophorus lemniscatus  
alcoholic 566 ♂ " "  
skeleton 567 ♂ " "  
alcoholic 568 ♂ Ameiva sp.  
alcoholic 569 ♂ " "  
alcoholic 570 ♂ " "  
alcoholic 571 ♂ Anastrodidium sp.  
alcoholic 572 Basiliscus basiliscus  
alcoholic 573 [Terenotriccus erythrus solvigularis G.T.]  
574 ♂ Xiphorhynchus guttatus nanus 5.0. no fat molt testes 3x1 mm  
575 ♂ Hirundo rustica erythrogaster 5.0. no fat testes 2x1 mm  
alcoholic 576  
577





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Catalogue 25  
Yaviza, Darien Prov., Rep. de Panama  
Sept. 24<sup>th</sup>

- 578 ♀ Rattus rattus 202-117-25-18 little fat  
579 ♂ Tanagra luteicapilla S.O. little fat testis 2x4 mm  
580 ♂ MAZAMA americana reperta 969-86-247-82

alcoholic 581 possibly baby dove (decided - cannot be identified R. Johnson)

- 582 ♀ Rattus rattus 218-100-26-18

583

- 584 Bufo marinus

Perceps the river from Yaviza, Darien Prov., Rep. de Panama

alcoholic 585 Ameiva sp.

alcoholic 586 "

alcoholic 587 "

2.5 km E Yaviza, Darien Prov., Rep. de Panama

alcoholic 588 Chironius carinatus  
Yaviza, Darien Prov., Rep. de Panama

- 589 ♂ Rattus rattus 206-121-26-17 testis 4x6 mm

- 590 ? Thraupis episcopus cana S.O. no fat molt

- 591 Basiliscus basiliscus

- 592 "

- 593 "

Sept 25<sup>th</sup>

alcoholic 594

274-133-37-28

Sept 26<sup>th</sup>

alcoholic 595 Dasypterus ega panamensis

alcoholic 596 Myotis (Myotis?)

alcoholic 597 Chironius carinatus  
1 km E Yaviza, Darien Prov., Rep. de Panama





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# Catalogue

26

Yaviza, Darien Prov., Rep de Panama

September 27

alcoholic 598

*Carollia perspicillata azteca*

alcoholic 599

[*Arremonops conirostris* <sup>R.S.</sup>]

skeleton 600

mouth Rio Ocuanati, Darien Prov., Rep de Panama

alcoholic 601

4 Km N, 3.5 Km W of mouth Rio Suguesa, Darien Prov., Panama

alcoholic 602

*Rhynchonycteris naso*

4 Km N, 3.5 Km W of mouth Rio Suguesa, Darien Prov., Panama

*Rhynchonycteris naso*

~~603~~

September 28

skeleton 603

4 Km N, 3.5 Km W of mouth Rio Suguesa, Darien Prov., Panama

alcoholic 604

Quebrada Partuchagua, near mouth Suguesa, Darien Prov.

*Basiliscus basiliscus*

Quebrada, Partuchagua, near mouth Suguesa, Darien Prov., Panama

skeleton 605

large ovum 2 mm

alcoholic 606

Quebrada, Partuchagua, near mouth Suguesa, Darien Prov., Panama

*Boa* <sup>SP.</sup>

~~3.5 Km NW~~ 3.5 Km NW of mouth Rio Suguesa, Darien Prov., Rep de Panama

September 29

alcoholic 607

[*Encyrtus* <sup>RS</sup>]

alcoholic 608

[*Encyrtus* <sup>RS</sup>]

alcoholic 609

[*Thamnophilus nigriceps* REJ]

alcoholic 610

alcoholic 611

alcoholic 612

*Ameiva* <sup>SP.</sup>

alcoholic 613

*Mabuya mabouya*

alcoholic 614

*Oxybelis aeneus*

alcoholic 615

*Sigmodon hispidus* (chiriguensis?)

September 30

alcoholic 616

3.75 Km NW of mouth Ocuanati, Darien Prov., Rep de Panama

alcoholic 617

Columbid

skeleton 618

5.75 Km S., 2.25 Km E of mouth Ocuanati, Darien Prov., Rep de Panama

*Colaptes* <sup>sp?</sup>

testis 3x6 mm

~~September~~ October 1

Yaviza, Darien Prov., Rep de Panama

skeleton 619

little fat no molt testis 2x1 mm





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# Catalogue

27

Yareiza, Darien Prov., Rep de Panama  
October 1

- skeleton 620 ♀ *Harpagus bidentatus* no fat no molt ex minute  
Rio Tepisa (Quebrada Miel) Darien Prov., Rep de Panama  
October 1
- alcoholic 621 *Geomys punctularia*  
Yareiza, Darien Prov., Rep de Panama  
October 1
- alcoholic 623
- alcoholic 624  
5 Km N.W. mouth Rio Teguica, Darien Prov., Rep de Panama  
September 28
- alcoholic 625 *Sigmodon hispidus (chiriquensis?)*  
Yareiza, Darien Prov., Rep de Panama  
October 2
- alcoholic 626 *[Thryothorus leucotis G.T.]*
- skeleton 627 ♂  
Yami & Yareiza, Rio Chipo, Darien Prov., Rep de Panama  
October 2
- alcoholic 628 ♂ *Artibeus lituratus palmarum* 9-16-24/71-5  
*jamaicensis jamaicensis*
- " " 629 ♀ *Uroderma bilobatum bilobatum* 60-10-17/40-3
- " " 630 ♀ *Uroderma bilobatum bilobatum* 58-11-16/41-3
- " " 631 ♀ *Uroderma bilobatum bilobatum* 63-9-16/41-4
- " " 632 ♀ *Uroderma bilobatum bilobatum* 64-11-16/41-3
- " " 633 ♂ *Uroderma bilobatum bilobatum* 59-11-19/42-3
- " " 634 ♀ *Carollia perspicillata azteca* 79-18-18-22/43-5
- " " 635 ♂ *Artibeus cinereus watsonii* 52-10-16/37-3
- " " 636 ♂ *Sturnia mordax* 60-13-17/40-4
- " " 637 ♂ *Artibeus cinereus watsonii* 52-10-17/37-4
- " " 638 ♀ *Phyllostomus hastatus panamensis* 139-24-24-32/90-9
- " " 639 ♂ *Carollia perspicillata azteca* 76-18-14-22/43-6
- " " 640 ♀ *Artibeus jamaicensis jamaicensis* 87-17-22/61-4
- " " 641 ♀ 53-10-16/37-3
- " " 642 ♀ *Carollia perspicillata azteca* 75-8-9-20/41-5





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Catalogue

28

Zoni & Yaviza, Rio Chico, Darien Prov., Rep. de Panama  
October 3

alcoholic	643	♀		50--12-15/42-4
"	"	644	♂ <i>Carollia perspicillata azteca</i>	69-15-13-21/41-4
"	"	645	♂ <i>Carollia perspicillata azteca</i>	66-14-14-20/41-5
"	"	646	♂ <i>URODERMA bilobatum bilobatum</i>	60--11-18/41-3
"	"	647	♀ <i>ARTIBEUS</i> <sup><i>lituratus palmarum</i></sup> <del><i>jamaicensis jamaicensis</i></del>	86--17-23/67-5
"	"	648	♂ <i>Desmodus rotundus murinus</i>	77--17-18/56-5
"	"	649	♂ <i>Artibeus cinereus watsonii</i>	50--10-15/42-3
"	"	650	♀ <i>Glossophaga soricina leachii</i>	59-11-10-15/35-3
"	"	651	♂ <i>Sturnia mordax</i>	65--12-21/38-4
"	"	652	♂	<del>82-17</del> 83--17-23/60-4
"	"	653	♀ <i>Artibeus lituratus palmarum</i>	82--19-24/63-5
"	"	654	♂ <i>Carollia perspicillata azteca</i>	69-15-13-21/41-5

October 4

alcoholic	655	♂	<i>Artibeus cinereus watsonii</i>	54--10-15/32-4
"	"	656	♂ <i>Artibeus cinereus watsonii</i>	55--11-15/37-4
"	"	657	♀ <i>Carollia perspicillata azteca</i>	79-16-13-19/42-5
"	"	658	♂ <i>URODERMA bilobatum bilobatum</i>	59--13-18/41-3
"	"	659	♂ <i>Sturnia mordax</i>	62--11-17/40-3
"	"	660	♂ <i>Phyllostomus discolor discolor</i>	113-12-15-23/62-5
"	"	661	♀ <i>Carollia perspicillata azteca</i>	69-7-7-21/41-5
"	"	662	♀ <i>Artibeus jamaicensis jamaicensis</i>	80--10-21/58-4
"	"	663	♀ <i>Chilonycteris rubiginosa fusca</i>	94-25-15-28/60-5
"	"	664	♀ <i>Artibeus jamaicensis jamaicensis</i>	85--18-22/62-4
"	"	665	♀ <i>Desmodus rotundus murinus</i>	86--17-21-/62-4
"	"	666	♀ <i>URODERMA bilobatum bilobatum</i>	58--11-17/42-3
"	"	<del>667</del>		





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29

Catalogue  
yaviza, Darien Prov., Rep de Panama  
October 4

alcoholic 667 *Tretanorhinus nigroluteus*  
1/2 mi E yaviza, Rio Chico, Darien Prov. Panama  
October 4

alcoholic 668 [*Oryzoborus angolensis* *funereus* REJ]

alcoholic 669

alcoholic 670

yaviza, Darien Prov., Rep de Panama  
alcoholic 671 *Engystomops pustulosus*

alcoholic 672

alcoholic 673

alcoholic 674

alcoholic 675

alcoholic 676

alcoholic 677

alcoholic 678

alcoholic 679

alcoholic 680

*Bufo marinus*  
1/2 mi E yaviza, <sup>Rio Chico</sup> Darien Prov., Rep de Panama  
October 5

alcoholic 681 *Diploglossus monotropis*  
October 4

" " 682 ♀ *Desmodus rotundus murinus* 66- -18-20/58-4

" " 683 ♀ *Uroderma bilobatum bilobatum* 56- -11-16/40-3

" " 684 ♀ *Artibeus lituratus palmarum* 95- -18-25/70-4

" " 685 ♂ *Artibeus cinereus watsonii* October 5 55- -10-15/37-3

" " 686 ♂ *Uroderma bilobatum bilobatum* 59- -12-11/40-3

" " 687 ♂ *Artibeus cinereus watsonii* 51- -11-16/38-3

" " 688 ♂ *Tonatia* 64- 7-10-27/34-6





C. Pavlin  
1967

Catalogue  
Rio Chico

30

1/2 mi E Yaveja, Cauca Prov., Rep. de Panama  
October 5

alcoholic	689	♂	Artibeus	jamaicensis	jamaicensis	79--28-24/165-4
"	690	♀	Artibeus	jamaicensis	jamaicensis	86--16-22/61-5
"	691	♂	Uroderma	bilobatum	bilobatum	59--11-17/42-3
"	692	♂	Carollia	perspicillata	azteca	75-7-15-21/42-6
"	693	♀	Artibeus	jamaicensis	jamaicensis	88--18-21/63-5
"	694	♀	Uroderma	bilobatum	bilobatum	61--11-19/39-4
"	695	♀	Carollia	perspicillata	azteca	71-17-18-21/43-5
"	696	♂	Artibeus	jamaicensis	jamaicensis	80--12-22/59-5
"	697	♂	Desmodus	rotundus	murinus	77--18-20/68-4
October 6						
"	698	♀	Artibeus	jamaicensis	jamaicensis	85--18-20/61-4
"	699	♂	Carollia	perspicillata	azteca	82-11-13-19/42-6
"	<del>699</del> 700	♀	Artibeus	jamaicensis	jamaicensis	63--16-19/63-5
"	701	♀	Artibeus	jamaicensis	jamaicensis	80--18-21/63-5
"	702	♂	Carollia	perspicillata	azteca	73-14-12-20/41-5
"	703	♂	Carollia	perspicillata	azteca	71-4-8-20/44-5
"	704	♀	Artibeus	jamaicensis	jamaicensis	82--17-21/61-5
"	705	♀	Artibeus	cinereus	watsonii	50--16-15/37-4
"	706	♀	Uroderma	bilobatum	bilobatum	62--11-16/11-3
"	707	♀	Carollia	perspicillata	azteca	66-10-11-18/43-5
"	708	♂	Artibeus	jamaicensis	jamaicensis	77--15-20/61-4
"	709	♂	"	"	"	81--16-18/59-5
"	710	♀	"	"	"	79--17-18/59-5
"	711	♀	"	"	"	80--17-22/58-5
"	712	♂	"	"	"	79--16-18/60-5
"	713	♂	"	"	"	85--17-21/60-4
"	714	♀	Uroderma	bilobatum	bilobatum	63--12-16/44-3
"	715	♂	Sturnia	mordax		52--12-16/40-4





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# Catalogue

31

October 6 cont

1/2 mi E Yaviza, Rio Chico, Darien Prov., Rep de Panama

alcoholic 716 ♀ ARTIBEUS jamaicensis jamaicensis 86--18-22/64-4

" " 717 ♀ ARTIBEUS litoratus palmarum 93--19-23/70-5

~~718~~ Yaviza, Darien Prov., Rep de Panama

" " 718 Colubrid

1/2 mi E Yaviza, Rio Chico, Darien Prov., Rep de Panama

" " 719 [Thraupis palmarum atripennis REJ]

" " 720 Leptodactylus sp.

Yaviza, Darien Prov., Rep de Panama

" " 721 [black downy chick; probably Rallidae; couldn't identify, so discarded. G.T.]  
Yaviza, Darien Prov., Rep de Panama

" " 722 Leptodeira rhombifera annulata  
rhombifera

" " 723 Bufo marinus

" " 724

" " 725 Eleutherodactylus

" " 726 "

" " 727 Engystomops pustulosus

" " 728 "

Yaviza Darien Prov., Rep de Panama

" " 729 Uroderma bilobatum bilobatum

1/2 mi E Yaviza, Rio Chico, Darien Prov., Panama  
October 7

" " 730 ♀ ARTIBEUS jamaicensis jamaicensis 85--18-22/62-4

" " 731 ♂ ARTIBEUS litoratus palmarum 90--18-22/75-4

" " 732 ♂ ARTIBEUS jamaicensis jamaicensis 83--17-21/61-4

" " 733 ♀ ARTIBEUS litoratus palmarum 88--19-23/70-5

" " 734 ♂ ARTIBEUS jamaicensis jamaicensis 85--17-20/64-4

" " 735 ♀ ARTIBEUS jamaicensis jamaicensis 85--17-22/62-4

" " 736 ♂ Carolia perspicillata azteca 73-9-12-21/41-5

" " 737 ♀ Uroderma bilobatum bilobatum 64--17-18/43-3





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Catalogue

32

October 7

1/2 mi E Yaviza, Rio Chico, Darien Prov., Panama

colletie 738

[*Gracis hirsuta* R.S.]

" 739

[*Lepidopyga coerulescens* R.S.]

" 740

[*Xiphorhynchus* R.S.]

" 741

Yaviza, Darien Prov., Rep de Panama

*Basiliscus basiliscus*

" 742

" "

" 743

" "

October 8

" 744

*Hyla rubra*

" 745

" 746

[*Butorides virescens* RET]

" " 747

*Basiliscus basiliscus*

" " 748

"

"

" " 749

" " 750

" " 751

" " 752

*Basiliscus basiliscus*

" " 753

" " 754

*Hyla microcephala microcephala*

" " 755

"

"

"

" " 756

*Phrynosoma marmoratum*

" " 757

*Hyla microcephala microcephala*

" " 758

"

"

"

" " 759

"

"

"

" " 760

"

"

"

" " 761

"

"

"

" " 762

"

"

"

" " 763

"

"

"





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Catalogue

yaviza, Darien Prov., Rep de Panama 33

Oct 8, 1967

alcoholic 764

[*Lepidochelys olivacea* RS]

" 765

probably baby *sceloporus* (identified - cannot be identified - REJ)

" 766

" 767

[*Picumnus olivaceus* G.T.]

" 768

[*Xenops minutus* R.S.]

" 769

[*Thraupis palmarum atripennis* REJ]

" 770

[*Capito maculicoronatus* R.S.]

" 771

[*Thryothorus fasciatoventris* G.T.]

" 772

*Didelphis marsupialis etensis*

Q62B, Albrook Air Force Base, Canal zone  
October 13

alcoholic 773

*Engystomops pustulosus*

" 774

"

"

" 775

"

"

" 776

" 777

*Engystomops pustulosus* (tadpoles)

yaviza, Darien ~~Prov.~~ <sup>Oct 10</sup> ~~Prov.~~ Rep de Panama  
OCT 10 JOURNAL PAGE 77

alcoholic 778

[*Thraupis palmarum* G.T.]

" 779

[*Thraupis palmarum* G.T.]

" 780

[*Tringa solitaria* REJ]

" 781

*Rattus rattus*

" 782

" 783

" 784

*Engystomops pustulosus*

" 785

"

"

" 786

"

"

" 787

"

"

" 788

"

"





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1967

Catalogue

34

Yaviza, Darien Prov., Rep de Panama  
Oct 10 cont

alcohol 789	Engystomops	pustulosus
" " 790	"	"
" " 791	"	"
" " 792	"	"
" " 793	"	"
" " 794	"	"
" " 795	"	"
" " 796	"	"
" " 797	"	"
" " 798	"	"
" " 799	"	"
" " 800	"	"
" " 801	"	"
" " 802	"	"
" " 803	"	"
" " 804	Leptodactylus	sp.
" " 805	"	"
" " 806	Engystomops	pustulosus
" " 807	"	"
" " 808	"	"
" " 809	"	"

Oct 11 JOURNAL PAGE 77

alcohol 810	Basiliscus	basiliscus
" " 811	"	"
" " 812	Basiliscus	basiliscus

Oct 12 JOURNAL PAGE 77

" " 813	Rattus	rattus
---------	--------	--------

113-45-16-7





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Catalogue

35

Yaviza, Darien Prov., Rep de Panama  
October 12 cont.

Alcoholic 814	Rattus rattus	113-45-17-7
" " 815	Rattus rattus	113-46-16-7
" " 816	Rattus rattus	117-47-17-8
" " 817	SYLVILAGUS brasiliensis messorius	113-5-23-10

~~818~~

OCT 13, 1967

JOURNAL PAGE 77

" 818	Rattus rattus	
" " 819	Rattus rattus	2
" " 820	Rattus rattus	
" " 821	Rattus rattus	
" " 822	Rattus rattus	
" " 823	Rattus rattus	
" " 824	Rattus rattus	
" " 825	Rattus rattus	
" " 826	[Thraupis palmarum atripennis REJ]	

Taboga Island, Rep de Panama  
Oct 14

" " 827	Dendrobates auratus	
" " 828	" "	
" " 829	Engystomops pustulosus	
" " 830	Gonatodes sp.	
" " 831	Dendrobates auratus	
" " 832	" "	
" " 833	" "	

Yaviza, Darien Prov., Rep de Panama  
Oct 11

" " 834	Tretanorhinus nigroluteus	
" " 835	Bothrops nasuta	





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Catalogue

36

Yarega, Darien Prov., Rep de Panama  
Oct 14

836

holo 837

" 838

Q62B, Albrook Air Force Base, Canal zone

" 839 ~~840~~

Phrynohyas spilomma

Rio Chucunaque near mouth Uacurante,

Darien Prov., Rep de Panama

Oct 15 (date catalogue not killed)

skull 840

MAZAMA americana repertica

no lower jaw

skull 841

MAZAMA americana repertica

no lower jaw

skull 842

TAYASSU tajacu bangsi

no lower jaw

Taboga Island, Rep de Panama  
Oct 21.

holo 843

Artibeus jamaicensis jamaicensis

" 844

" " "

" 845

" " "

" 846

" " "

" 847

" " "

" 848

" " "

" 849

" " "

" 850

" " "

" 851

" " "

" 852

" " "

" 853

" " "

" 854

" " "

" 855

" " "

" 856

" " "





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1967

# Catalogue

37

Taboga Island, Panama  
Oct 21, 1967 cont.

leoholic 857 ARTIBEUS jamaicensis jamaicensis

" " 858 " " "

" " 859 " " "

" " 860 " " "

" " 861 " " "

" " 862 " " "

" " 863 " " "

" " 864 " " "

" " 865 " " "

" " 866 " " "

" " 867 " " "

" " 868 " " "

" " 869 " " "

" " 870 " " "

" " 871 " " "

" " 872 " " "

" " 873 " " "

" " 874 " " "

" " 875 " " "

" " 876 " " "

" " 877 " " "

" " 878 " " "

" " 879 " " "

" " 880 " " "

" " 881 " " "

" " 882 " " "

" " 883 " " "





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Catalogue

38

Jaboga Island, Panama  
Oct 21 cont

~~Oct~~

8834	ARTIBEUS jamaicensis jamaicensis		
885	"	"	"
886	"	"	"
887	"	"	"
888	"	"	"
889	"	"	"
890	"	"	"
891	"	"	"

Oct 22

892	Dendrobates auratus		
893	"	"	"
894	"	"	"
895	Engystomops pustulosus		
896	Gonatodes sp.		
897	Dendrobates auratus		
898	"	"	"
899	"	"	"
900	"	"	"
901	"	"	"
902	"	"	"
903	"	"	"
904	"	"	"
905	"	"	"
906	"	"	"
907	"	"	"
908	"	"	"





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1967

# Catalogue

39

## Taboga Island, Panama

Oct 23

909

Engystomops pustulosus (tadpoles)

Yaviza, Darien Prov., Rep de Panama

Oct 30

910

Engystomops pustulosus

911

"

"

912

"

"

913

"

"

914

"

"

915

"

"

916

"

"

917

"

"

Oct 31

918

Caiman sclerops

919

920

[Myrmeciza exsul] R.S.

921

922

[Tyrannulus elatus REJ]

923

[Microrhophies quirensis consobrina REJ]

924

Leptodactylus sp. [Actitis macularia REJ]

925

[Catharus ustulatus REJ]

926

Engystomops pustulosus

927

Rattus rattus

343-191-32-22

928

Rattus rattus

383-208-34-25

929

[Tyrannulus villosus R.S.]

930

[Tyrannulus elatus REJ]

Nov 1

931

[Volatinia jacarina splendens REJ]





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1967

# Catalogue

40

Yaviza, Darien Prov., Rep de Panama

alcoholic 932

[Tanager sp. R.S.] NOV 1  
2 with same #

933

Rattus rattus

[Tyrannulus elatus RET]

934

Rattus rattus

935

[Cyphorhinus aradas R.S.]

936

Ameiva sp.

937

938

939

[Thamnophilus punctatus RS]

940

Rattus rattus

941

Epicrates cenchora

942

[Ramphocelus icteronotus RET]

943

[Piranga rubra rubra RET]

Nov 2

944

Rattus rattus

945

2 Km NE Yaviza, Darien Prov., Panama  
Nov 2.

946

947

[Myrmeciza exul occidentalis RET]

YULL ONLY 948

? Bradypus griseus ignarus

Yaviza, Darien Prov., Panama  
Nov 2

alcoholic 949

[Taraba major obscurus RET]

950

[Colonia colonus leucornata R.S.]

951

Engystomops pustulosus

952

[Thryothorus leucotis G.T.]

953

MARMOSA (mexicana?) or ? Bradypus griseus ignarus (she had two field nos. 953)





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1967

Catalogue

41

Yaviza, Darien Prov., Rep de Panama  
Nov. 3

- whole 954 [Thamnophtlus nigriceps R.S.]  
" 955 MYOTIS (nigricans?)  
" 956 MYOTIS (nigricans?)  
" 957 Mabuya mabouya  
" 958 Engystomops pustulosus  
Across river from Yaviza, Darien Prov. Panama  
" 959 Ameiva sp.  
" 960 " "  
" 961 Engystomops pustulosus  
Yaviza, Darien Prov., Rep de Panama  
Nov. 4

- " 962 MARMOSA (~~mexicana?~~) mitis  
" 963 MYOTIS (nigricans?)  
" 964 MYOTIS (nigricans?)  
" 965  
" 966 MYOTIS (nigricans?)  
" 967 MYOTIS (nigricans?)  
" 968 " "  
" 969 " "  
" 970 " "  
" 971 " "  
" 972 " "  
" 973 " "

Nov. 5

- " 974 " "  
" 975 " "  
" 976 [Amazilia edward REJ]





C. C. C. C.  
1967

# Catalogue

42

Yanga, Darien Prov. Rep de Panama

Nov 5

- 977 Chironius carinatus  
978 MYOTIS (nigricans?)  
979 " ( " )  
980 " ( " )  
981 Hyla microcephala microcephala  
982 " " "  
983 [Tyrannulus elatus REJ]  
984 Hyla microcephala microcephala  
985 " " "  
986 " " "  
987 " " "  
988 Ameiva sp.  
989 Leptodactylus sp.  
990 [Tyrannulus elatus R.S.]  
991 [Piranga rubra REJ]

Nov 6

- 992 Hyla microcephala microcephala  
993 [Pachyramphus cinnamomeus R.S.]  
994 [Myiarchus tuberculifer G.T.] [Oryzoborus angolensis funereus REJ]  
995 [Pachyramphus polychopterus R.S.]  
996 "  
997 Micrurus mipartitus

Nov 7

- 998 [Malacoptila panamensis G.T.]  
999 [Araba major G.T.]  
1000 MYOTIS (nigricans?)  
1001 " [Nonnula frontalis R.S.]





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1967

# Catalogue

43

Yauiza, Darien Prov., Rep de Panama

Nov. 7

alcoholic  
1002

*Hyla rubra*

" " 1003

[*Erolia melanotos* G.T.]

" " 1004

*Uroderma bilobatum bilobatum*

" " 1005

*Uroderma bilobatum bilobatum*

" " 1006

[*Taraba major obscurus* REJ]

" "

Nov. 8

" " 1007

*ARTIBEUS jamaicensis jamaicensis*

" " 1008

[*Thryothorus fasciatoventris* G.T.]

" "

Nov. 12

" " 1009

[*Phylloscopus collybita* REJ]

" " 1010

[*Myrmeciza exul occidentalis* REJ]

" " 1011

[*Verreauxia pinnata* REJ]

" " 1012

[*Tanager lanirostris* REJ]

" " 1013

[*Tyrannulus elatus* REJ]

" " 1014

[*Damophila julie panamensis* REJ]

" " 1015

*Ameiva* sp.

" " 1016

*Leptodactylus* sp.

Nov. 13

" " 1017

[*Tyrannulus elatus* REJ]

" " 1018

*Ameiva* sp.

" " 1019

*Engystomops pustulosus*

" " 1020

*Leptodactylus* sp.

" " 1021

" "

" " 1022

*Leptodactylus* sp.

" " 1023

*Hyla rubra*

" " 1024

*Bufo marinus*

" " 1025

*Leptodactylus* sp.





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1967

Catalogue

44

Yaviza, Darien Prov., Panama

Nov. 13

- alcoholic 1026 Leptodactylus sp.  
" " 1027 Engystomops pustulosus  
" " 1028 " "  
" " 1029 " "  
" " 1030 " "  
" " 1031 Leptodactylus sp.  
" " 1032 " "  
" " 1033 Bufo marinus  
" " 1034 Leptodactylus sp.  
" " 1035 Leptodactylus sp.  
" " 1036 Hyla microcephala microcephala  
" " 1037 Engystomops pustulosus  
" " 1038 Leptodactylus sp.  
" " 1039 Hyla microcephala microcephala  
" " 1040 Leptodactylus sp.  
" " 1041 " "  
" " 1042 Leptodactylus sp.  
" " 1043 Leptodactylus sp.  
" " 1044 " "  
" " 1045 " "  
" " 1046 [Coereba flaveola RET]  
" " 1047 [Coccyzus americanus RET]  
" " 1048 [Coccyzus americanus RET]  
" " 1049 [Actitis macularia G.T.]  
" " 1050 Hyla rubra  
" " 1051 Phrynosomas spilomma  
" " 1052 " "





Cavalier  
1967

Catalogue  
Yaviza, Darien Prov., Panama  
Nov 13 cont

45-

cebolie 1053

MIOTIS (nigricans?)

" " 1054

" ( " )

" " 1055

" ( " )

" " 1056

URODERMA bilobatum bilobatum

Nov. 14

1057 Rattus rattus

1058 Rattus rattus

1059 Rattus rattus

1060 Rattus rattus

1061 Uroderma bilobatum bilobatum

1062 Leptodactylus sp.

1063 Hyla microcephala microcephala

1064 " " "

1065 " " "

1066 " " "

1067 Ameiva sp.

1068 Uroderma bilobatum bilobatum

1069 [Picumnus olivaceus G.T.]

1070 Hyla microcephala microcephala

1071 Ameiva sp.

1072 [Myrmeciza longipes G.T.]

1073 [Tringa solitaria G.T.]

1074 [Myrmeciza exsul RS]

Nov. 26

1075 [Ara severa REJ]





Cavalier, C.

1967

Journal

Costa Rica  
Panama





Journal

San Jose, Costa Rica

July 20. Left Guayaquil City for San Jose. (Pan Am) 2 changes of planes, heat, four hours late. Fog over San Jose airport. Finally landed after 20 minutes of circling. Many planes have to go to Panama City because of fog. The ride by taxi to San Jose is \$5.00 but friends met me. Hotel Boston is inexpensive & very accommodating place to stay. It is necessary to say Pension Boston not Hotel Boston otherwise no one knows where it is. Met Mercedes McQuinn

July 21. The truck (camper) we had planned to take was impossible because if the owner of any vehicle leaves the country he must have proof of sale or vehicle impounded. He returns in a week so we are going to shop today & take train to Limon Prov. tomorrow.

July 22 Took Northern Railroad from Northern Railroad Station (there are two stations in San Jose) to Los Diamantes Farm. We changed trains at La Puente. It was necessary to ask conductor to stop at the farm for us. We left San Jose at about 1<sup>15</sup> and arrived at the farm at about 8<sup>15</sup> PM. The arrangements to stay at the experimental farm were made by Mercedes McQuinn - check her notes for details -

→ →  
July 23 Los Diamantes Farm 1 mi SE. Uruapalo, Limon Prov. Costa Rica 300 meters  
Up at dawn - breakfast supposed to be from 5 to 6<sup>30</sup> but it was late as is almost everything a little. Walked east along road behind farm. A few short-medium heavy showers, but it's but warm enough not to wear a jacket. On the side of road were rubber trees, banana trees, cocoa plants and hundreds of strange new





Journal

Los Diamantes Farm, 1 mi SE Guapilo, Limón Prov. Costa Rica

July 23<sup>cont</sup>

beautiful plants, shrubs, trees & flowers. Saw many black vultures, motmots (sp), parrots in groups, grooved billed anis, and hummers. Shot a black vulture w/ #9 but it didn't phase him. There were many in various trees. The tallest (dead) tree had seven and the next tallest tree have four or five (?). These trees were on the edge of rubber tree grove where it bordered the forest area. There were five rubber trees which had one vulture each in them. One shot and they all flew away. Returned approx 10 min. later & vultures were in same two large dead trees. The rubber tree grove had legi grass & growth ( $\sim 2\frac{1}{2}' - 3'$ ) which is difficult to find small birds in. I know this from having lost 2 birds in ~~it~~ similar growth further up the road. Shot grooved billed ani w/ half load - sitting on tree overhanging road. In rubber <sup>tree</sup> grove closer to farm (10:15) shot woodcreeper (#18) who appeared to be sitting in a rubber tree. Then shot flycatcher (#17) about 3 yds away - along edge of forest in rubber tree. Shot another ani (on fence post) on way home. The humming birds were always alone, the anis were ~~seen~~ with another or 2-3 other ani birds. The motmots were all together approx 10-12  $\pm$  and fly away together. Lunch - skinned & put up birds afternoon & evening -





C. Cavalier  
1967

3.

## Journal

Forest w of Rio Torro (main Budge, 4 mi w. Guaples, Limon Prov. Costa R. C.)

July 24 Up at 6<sup>00</sup> at Los Diamantes Farm. Got ride in jeep to above location. Went through town (2-3 blocks) then turned west. Drove 4 mi on dirt & rock road. Passed a few isolated houses, horses, chickens & people. From the very new (steel & concrete) bridge we walked up the hill to the forest. Much water in paths & several streams (one large). Found very heavy forest which we couldn't enter. A man who was cutting trees showed me a way and we a path. We set up a mist-net in a clear area in a forest & got three birds:

# \_\_\_\_\_,

# \_\_\_\_\_, and

# \_\_\_\_\_. The #s \_\_\_\_\_ + \_\_\_\_\_ are in Mercedes

Mc Diarmid's Catalog. The third is in mine (#30). Since I had no machete, went with the man who showed us the path. The path had thick forest on both sides of it & was difficult to enter. Up about 1/2 a mile I saw and shot two woodpeckers from a tree about 50 ft high. The first <sup>one</sup> we looked for for about 20 minutes, the second got stuck in crotch of tree. Collected lizard (#25) in dense forest. Much to my surprise he died on the very same. He was on the ground in some soggy leaves. The

# ~~22~~ 24 I shot just after the thick forest ended & the less dense area began. #22 & #23 were together when shot. <sup>Mercedes</sup> got the third one but it was flown apart too much to put up.





C. C. C. C.  
1967

4

## Journal

Farrest W of Rio Tarro Omaris Bridge, 4 mi W Guapiles, Limon Prov, <sup>Costa</sup> Rica

cont.  
July 24<sup>th</sup>

They all had blue (slay) eye rings.  
#26 was shot at edge of farrest. #27, #28 + #29  
were shot along the road on the way to the farm.  
There were only two showers when we were out.  
Arrived at farm about 3:30. We expected to  
have collected much more than we did, but  
the farrest was quiet. Saw about 12  
~~turkey~~ <sup>black</sup> vultures in tree  $\pm$  60 ft above  
the fairly dense farrest. The tree was  
full of leaves. Some rain afternoon

Las Diamantas Farm 1 mi S.E. Guapiles, Limon Prov, Costa Rica

July 25

Walking East toward where Mercedes + I had  
decided to put up the mist nets we saw & heard  
very little activity. As usual the flocks of parrots,  
grooved-billed Anis, seed eaters, oropendola, and  
on occasions it is difficult to tell the sounds of insects  
and frogs from the sounds of birds. We put the nets  
(29 then) in cut over primary farrest. The farrest was  
dense enough to shield us from the rain.

Mercedes + I hunted separately as usual. Since  
I am still w/o machete I went to the grassy  
areas & the orchards bordered by farrest. I shot

a parrot <sup>#36</sup> who was one of a flock sitting in a tree  
by the road. (Beautiful!). In an orchard of trees  
(like palm trees but short & with little trunk.)

I shot a Great Kiskin. Spent 45 minutes hunting  
the bird that was talking to it when I shot it. (mate)





C. Cavaleir  
1967

5

## Journal

July 25<sup>cont.</sup> Las Diamantes Farm 1 mi SE Guapiles, Limon Prov. Costa Rica  
Then the rain came. There is no doubt about it's being the rainy season. A third Kike shot in adjacent field - couldn't find its mate. These birds are quite common. Shot another parrot in flock. Very difficult to kill. I only wounded it & had to chase it all over grass about 6 feet tall. It used its tail for protection & I used it efficiently & frequently. #31 was shot on top of high grass. It promptly fell into a ~~river~~ stream I didn't see. It was alone. #35

ad #37 was caught in the mist net.  
#38 also mist net.

Many insects are biting me especially by the mist nets. I have yet to see Vireo (not mot's again). Shot a red rumped tanager but couldn't find it in the grassy field. Bought machete (22 colones) when we went to town. Should have mentioned that the parrot that was difficult to kill was one of two shot & downed with on half load. The other I couldn't find. Went scoping & saw none. Mercedes shot a Paqueta who was feeding on road with companion. They flitted up then on ground again. Saw my first *Dendrobates*. No more snakes observed.





C. Cavalier  
1967

# Journal

Los Diamantes Farm 1 mi S.E. Guapiles, Limon Prov. Costa Rica

July 26<sup>th</sup>

to the mist net first thing. on the way shot

a #49 and a #42. The

was in a tree & fell into a stream. The water really didn't make a difference because we had another day of hard rain. The

#42 was feeding on the ground when I shot him. (on road). Shot by the

#46 was an experience. It was dusk & I saw several in a tree. As I approach  $\pm$  80 flew away. I saw <sup>only</sup> one remaining & shot at it. About 60 more flew in the same direction as the first group. The three netted birds were

July 27

to the nets - on the way I shot #47. He was sitting in little bush that was slightly higher than the  $\pm$  6 ft grass around it. This is typical. Usually in bushes close to grassy area & close to ground. The

#48 were again all over the place. They are in trees up to about 20 feet. I haven't seen them much higher. Many of them in pairs. Shot this ~~one~~ off the top of fence post. #49 the was in a small grove of rubber trees. Same place I shot the dove #41 and just off road where I shot #42. Very active area. The was





C. Cavalier  
1967

# Journal

7

July 27<sup>cont</sup>

Las Diamantas Farm, 1 m SE Guapiles Limon Prov. Costa Rica

feeding. About 5 minutes later  
I saw a w with the same grove  
± 50 trees. He was very difficult to kill. I had  
to squeeze him for about 3-4 minutes. Shot  
a hummer but was unable to get it out of  
the tree. (tree (kind?) full of hummers. The  
first net was empty & the second had only  
one hummer. (Mercedes one Diamond's catalog)  
We saw some sort of water bird. (almost duck  
size) along the San Carlos River. Couldn't  
get it. Still no rain today, only fog, but  
lots of it. On way back in rubber tree grove  
shot

#51. He was about  
30<sup>20</sup> feet up in tree. About dusk there seems to  
be more activity than in the morning. Finally  
just after sun set we saw ~~two~~ (night hawks)  
feeding on the road. Their red eye shine  
helped me to see them. Shot only one.

It was good not to be drenched today from  
the rain. (Up to knees in creek try to get #47

. Stuck all the way - tomorrow  
may have sun. Some blue sky is showing.  
Insects as usual are plentiful. Some men  
collecting insects brought us some baby  
rabbits #53, 54, 55. One  
skin, one alcoholic, one skeleton.





C. Cavalier  
1967

# Journal

8

Las Diamantes Farm, 1 mi SE Guapiles, Limón Prov. Costa Rica

July 28 Behind in skinning so I didn't hunt this morning. Mercedes hunted & opened the nets. SUNSHINE. Hunted in the afternoon & did poorly. We left the nets open for bats. During the day we got only two

I shot #56. #57 from the leafy top part of rubber tree. Shot & lost a hummer & a huge brown bird with tail fans. I should like to note here that the Las Diamantes Farm accommodations are fantastic. Good food, lots of room & inexpensive. (15¢ a long day) In the afternoon it rained very hard.

July 29. On the way to the nets (one of which we left open for bats) I shot a creeper <sup>#64</sup> from a small patch of rubber trees where I previously shot a creeper & a wood pecker. Also from the rubber grove across the road I shot a dove #60. He was one of about 12 doves in the tree. Shot two hummers & lost them in the grass (both from the same tree) The sun is shining at last. On a fence was #59 who I shot.

There are many of these in grasses & on fence wires & posts. The #61 I shot from a low tree. They are everywhere & their tail movement is obvious. The parrot was one of about 50 all sitting in the





C. Carroll  
1967

# Journal

9

~~Thomas Diamante Farm, 1 mi SE. Guapiles, Limon Prov. Costa Rica~~  
July 29<sup>cont</sup> top of rubber tree (grows g) The

#63 was also in a flock (approx 30) but in a high palm like tree. He was not displaying, but was singing loudly. The (brown jay) #66 I shot in the afternoon. It took a little while to get close enough to shoot him (w/a #9). They were high but on open branches. The nets had 3 birds. I put up the

#64. Up late packing & skinning.  
July 30. Train to San Jose changing at La Kunta. Bought ticket on train. Cleaned up etc.

~~San Jose~~ San Jose Costa Rica

July 31 ~~August 1~~ Shopped - cotton impossible to get. 3 hours to get snake bite kit. Packed for tomorrow.

August 1 Mercedes found some cotton at  
on

In the morning we purchased lots of food hopefully enough for 2 weeks. Drove to Heredia then took Hwy. #9 to Cariblanco. Had dinner, turned around drove back (south) for 1.5 miles. There is an unmarked dirt & rock road which goes down hill to the Rio Sarapiquí. We pulled off just after dark. Rained during the night.





C. Carvel  
1967

# Journal

10.

1.5 mi S. Cariblanco, Heredia Prov. Costa Rica

August 2 Hunted toward the river (down hill.) We saw many more birds than we could have shot because on the north side of the road is an incline that ~~was~~ impossible to descend & on the south side is a hill that is impossible to scale. The

# 67 was in a branch  $\pm$  25 ft up over the road.

The # 71 was about one foot off the ground in some brush beside the road. The was another bird alt it but couldn't find it. This bird & the rest were shot on the north side of the Rio Sarapiquí up the hill about a mile in the forest about 3 yds off the road was # 70. She stayed in dense leaves for about 5 min & then emerged just long enough for me to pull the trigger. No sooner did I have her than

# 72 perched over head. He was still for 2-3 minutes & hopped about from branch to branch. When I got far enough away to shoot him he hid for a while. etc etc. About 15 min later I got him. Saw 2 woodcreepers on tree  $\pm$  50 feet high. Didn't get to them in time. The entire hour or so I hunted this spot a vulture was playing in the sky. The

# 69 and the tinoco mentioned # 68





P. Castelan  
1967

## Journal

11

(cont)  
August 2 1.5 mi S. Cariblanco, Heredia Prov. Costa Rica  
were shot just a few feet from the road. I am now using the "half loads" I had made in San Jose. The shot size is #6 or larger & blocks the birds all apart. But since I could get nothing else made, it's better than nothing. Alternate rain & sun, clouds & fog in the morning. On the way back I caught the little frog in a puddle on the catapilla road  $\pm$  one city block up from the Rio. We saw a tree full of small birds ( $\pm$  30) but the forest was too dense to get to them. Skinned all afternoon.

August 3 For me a very bad day. Got only one little bird in the morning. Put him up & went out again but got nothing but wet. Raining almost all day. We set up a mist net beside the road where we had seen a lot of bird activity. I caught a land crab in the grass. The # 74 was one of  $\pm$  10 birds feeding in a tree with fruits about this size. Even tho I shot at the tree the birds rapidly returned to feed. We saw (over the hedge where we couldn't shoot) two jays (beautiful blue) and a woodpecker & many smaller birds.





C. Cavalieri  
1967

Journal

12

1.5 mi S Cariblanco, Heredia Prov., Costa Rica

August 4 Fwd to the bat nets & found we had two bats.  
(#80)

. This net was set parallel to the road with forest & a cleft on the other side. There was evidence of two places where bats had probably chewed their way out. Went down the road again today. Shot two jays (#75 + #82)

They were two of about 7 jays feeding in top leaves of tree. Shot #78

as he(?) was feeding with a large (15-20) flock of similar (same?) little birds.

After I crossed the river I ran into two more feeding flocks. I think there were several species in each flock. The flocks moved from tree to tree as they fed. #76

#77 were shot from these flocks. The

was quite bold & came directly across the road from me. Not knowing he was a delicate bird I shot him with one of the Costa Rican shells I had made. There was hardly anything left to skin - feathers all over the place. The shells are entirely too powerful for anything less than a turkey vulture very far away. But it's better than nothing.





C. Cavalier  
1967

Journal

13.

<sup>(lost)</sup>  
August 4 1.5 mi S Cariblanco, Heredia Prov. Costa Rica  
On the way back to the camper the  
daily olonpoes started & the birds  
hid from the rain (& me). During the  
day while I was skinning I heard little  
cheeps. I went to check our nets &  
saw #79 look

as if she fell to the ground. When she  
came out from under the leaves  
I shot her. Very often one sees two of  
these birds flying about very rapidly,  
darting here & there - seldom landing.  
I set three traps by the truck but the  
rain snapped them all while I was  
skinning the bat. It rained as usual  
long & hard. All three traps had  
flipped from their original position.  
The measurements on the bat are  
forearm & the . During the  
night (12 PM) we checked the net  
(empty) & we saw no snakes. The  
next morning we have planned  
to awaken earlier.

August 5 The net was down & had no bats.  
The fog was typical of here in the  
morning. We moved the net  
to an area with forest on both sides.  
Then down the hill to hunt.





C. Nuckles  
1967

# Journal

14

(cont)  
August 5 1.5 mi S. Carablanca, Heredia Prov. Costa Rica  
Again shot a #89 in  
a group of 6-7 jays in tree tops. They  
were not so shy that they didn't return  
after a few were shot. Further down the  
road in a low shrub & alone was #83  
~~Across the bridge.~~

Across the bridge & up the other side we  
found a small group of <sup>(5-6)</sup> #90  
Finally we came to a open grassy area.  
There were 3-4 horses & chickens & a donkey.  
We chomped up & roamed around for  
a few hours. There were 4 houses &  
a corn patch. #85 & #86 <sup>±</sup> were in a  
tree of many smaller birds. I am not  
certain they are a pair. The squirrel was  
in a tree & one its way up. ( $\pm$  25 feet). Further  
over in this clear area shot #87

• Before I shot him I  
tried to hit the bird with him with  
a sling shot but wasn't close  
enough. Saw very little on the  
way home. Shot #84  
who was sitting alone in a low shrub  
by the road. Forgot to mention the  
lizard & frog were in the grass  
on the far end of the open area  
where we hunted. They were about





P. Cuvillier  
1967

Journal

15

August 5<sup>cont</sup> 1.5 mi S Cari Blanca, Heredia Prov. Costa Rica  
4 feet from the line of heavy forest. When  
we arrived back at the truck we  
found 8 birds in the net (1 later).  
The hummers #92  
#93, #94, and  
#95. Also #91.

Got a trap line & it has hardly rained  
at all so far so maybe.... We  
checked the bat nets at 9:15 & had 2  
bats. (the same). #98.

August 6 up before dawn & rushed to check the line.  
Got two mice. Got the traps in 4 different  
habitats. In cut grass w/ some visible  
runways - could have been made before  
grass was cut. - no mice. Second - along  
hillside in short dense growth. No  
mice again & much to my surprise only one  
on the trap had ~~an~~ ant eating the bait.  
The third was along & under old piece  
of board near the truck. Here I got  
one (caught his foot) #101.

Also one other trap under the board  
was sprung. The fourth habitat was  
uncut grass-like greens & here I got  
#102. I should add

that it was necessary to cover each  
trap so that the rain & wind would





C. Cavalier  
1967

# Journal

16

1.5 mi S. Cariblanco, Heredia Prov. Costa Rica  
August 6 not set them off. In total I set 30 traps.  
In the net in the morning at 11<sup>AM</sup> we  
got #99. Then about

2<sup>30</sup> there was a

#103.

Before I checked the trap line we checked  
the bat net: There were 2 bats. One ~~bat~~  
~~bat~~ which Mercedes has

& one

#98. Didn't

hunt because I had so much skinning to  
do. The sun actually came out but  
at 4<sup>15</sup> the downpour started again.  
It rains very hard & there is a heavy  
fog. Today is Sunday & there were many  
Costa Ricans walking up & down the  
road. Felt very safe though even if we  
are two females. The people stare  
a little but since we skin in the truck  
they can't see too much. The weather  
changes are too sudden to take a chance  
skinning out side. Feeling a little strange  
today - sort of upset stomach.

August 7 Up this morning to rain so we skinned  
till about 8<sup>30</sup>. Couldn't set the  
mouse traps because of the heavy  
rain. We got only one bat for  
the net #104. Went  
up the road to hunt. Saw 2 ~~Yaccons~~






C. Carsten  
1967

# Journal

17

15 mi S. Caristano, Heredia Prov. Costa Rica  
August 7 & many ~~to~~ little birds, & 2 creepers. But  
they were all over the cleft & impossible to shoot.  
Finally #107

flew into  
the tree with the two toucans. But he was  
over the road & therefore choosable. All three  
birds appeared to be feeding on a large  
dark fruit  $\pm$  this size . The #105  
shot on a low branch

of a bushy tree. These are very flighty  
birds - never in one place very long.

#108, was in the net

in the afternoon  $\pm$  3<sup>30</sup> #111 we  
found in the net about 6<sup>30</sup>. Found the  
lost trap with a mouse in it. The ants  
had eaten him away a little so I made an  
alcoholic out of him. The

#110 was one of a flock of birds feeding  
about 5<sup>PM</sup>. The traps I set in the  
areas where I got mice last time. Not  
much undercut or no tank places to set  
traps. The rain is heavy again - I  
hope it won't set off the traps. I covered  
the traps with large leaves where they  
were exposed. ~~for~~ I hope it works.

August 8 Had only one bat in the net (Mercedes bat)  
and two mice in the traps. Under  
one log must be a main runway because





P. C. C. C. C.  
1967

# Journal

18

(cont) 8 1.5 mi S. Cariblanco, Heredia Prov, Costa Rica 2800ft.  
I have caught two mice in the exact same spot. The other mouse was also caught in trap under logs. #113 was

dead & with ant insects (ants while #114 was covered & partly eaten by ants).  
Set only 13 traps because of so little place to set them. No mice we caught in the grassy areas. Even so I set traps in the grass again tonight & also by the logs. Set some in high bushy (3 feet) areas with little grass but looked like runways. Again covered them with leaves so rain wouldn't get them off. Saw  $\pm 6$  frogs, 3 toucans, & flock of parrots ( $\pm 8$ ). They were all over the cliff & would be impossible to get if shot. The #112 was one

of the  $\pm 6$  flying over the road. They are trying to show & put up. The #118 I shot w the pouring rain on way back to camp. It rained on & off till noon & occasionally in the afternoon but not in large quantity. The #115 was one of 3 little birds in a tree  $\pm 4$  feet tall. In the net we got #117 & #116. The bear attacked the birds in the net so we must check





C. Caceres  
1967

# Journal

19

1.5 mi S Caublanco, Heredia Prov. Costa Rica <sup>2800</sup>  
August 8<sup>cont.</sup> it frequently. We set insect light up at 8<sup>00</sup> Unknown to me & absolutely heavier.  
August 9 Up to dark clouds & possible rain. We had 2 bats in the net # 119.  
The 13 mouse traps set were largely empty. I got only one mouse. This time with the high brush. But by a beard — like the other mice I caught. She was very floaty besides lactating. I was certain she was almost ready to give birth but she was simply floaty with air. I should mention here that having spoken with several people regarding what measurements to take on bats that I have had several answers. So I take the usual forearm measurement measurements plus the forearm followed by the (in that order). I think it better to have too many than too few measurements. While bathing the downpour came & shortly after  $\pm 10^{30}$  AM we left for San Jose. We drove most of the way up Volcan Poas ( Hwy 120 off Hwy 9 ) which is in Guanacaste Prov. There was not an over abundance of places to pull off the road to hunt. Either there were full of mud or too near the road & we were afraid someone might hit the truck. The





C. C. C. C.  
1967

# Journal

20

August 9 1.5 mi S. Carablanco, Heredia Prov., Costa Rica  
drivers here are amazing!!! We drove back to San Jose to get the Cotton & MVZ tags. Customs was a few hour hassle & we had to return early the next day for the packages. They wanted us to pay duty however we persuaded them not to charge us more than 35¢. The air mail took days. The road to Carablanco was muddy & full of holes but on either side it had perhaps the heavens forest around. Much of the trees had been cut for as far as we could see on the way to San Jose. Volcan Poas caught us in one of her ditches but 4 wheel drive got us out. There was much less fog than there usually is there. One could see the plateau. It was cool enough for a sweater.

August 10. Left the Hotel Boston early for customs, bought a suit case for birds, & left for Guanacaste. To get to Taboga it took us 4 1/2 hours which includes back. This is supposed to be excellent time. We took Hwy 1 (Pan American). The area around Taboga is amazing - green, green, green. It's quiet, has lots of birds, has colorful sky & is





C. C. Caldwell  
1967

# Journal

21.

August 10 Fina ~~de~~ Jimenez, Guanacaste Prov. Costa Rica  
very warm. Quite a change from the deep  
of rain we've had elsewhere. We unpacked  
then drove into Las Cañas to mail letters.  
We saw cattle egrets, anis, caracaras, magpie  
jays, great kiskadees, seed eaters, lots of cuth  
(many on the road) many speeding  
land rovers, muchos large Iguana  
iguana & Otenosaurus sp. I had seen  
them w. the museum but never alive.  
I could hardly believe my eyes. They were  
all over the place. In fence posts, in  
trees, & on the road. The turkeys &  
black vultures ~~are~~ <sup>are</sup> plentiful as  
are the mosquitoes! Heard & then  
saw an owl who sounded like a  
dog barking. It got dark about  
6 PM & there is electricity on in the  
dining room only so skinny stays at  
sun set.

August 11 Woke up to the cries of howler monkeys.  
Sounded as if they were directly over the  
window however they were up the hill  
behind the house. Such a racket. The  
first time I have heard them. Amazing.  
During the night the insects weren't bad  
at all. Was a little dizzy this morning  
& didn't eat much breakfast. We drove





C. Pavelow  
1967

# Journal

22

August 11<sup>cont</sup>

Finca J. money, Guanacaste Prov. Costa Rica  
down to the Rio Segueron which runs through  
the Finca. ( $\pm$  <sup>S.E.</sup>  $\frac{1}{2}$  mi). The first bird I shot was  
a hawk which I gave to Mercedes for her  
birthday. She has wanted one for sometime.  
Began to feel more & more dizzy. Observed  
a group of 7 black vultures & one (white  
stork) in a dead tree in the middle of the  
marshy area. Also saw a night heron  
who stood for sometime on a dead turned  
over stump. Even though I was a short way  
from the truck I thought I'd never  
make it back. Left Mercedes a note &  
started to walk back to the Litch House.

On the way I shot a #121  
He was up about 30 feet & fell in high (7 feet)  
grass. Many insects there! The Litch

#122 are all along the  
road & to a little hop & almost twist in the  
air. They were in the grasses along the  
road. The

#123 I  
shot from a fruit filled leafy tree. On the  
tips of the branches. He was near  
the river. (100 yds). The

#125 was sitting on a cattle watering  
trough near the marshy area. I saw  
several of these on fence (wire). The  
other dove #1259





P. Pavlov  
1967

Journal

23

Finca Jimenez, Guanacaste Prov, Costa Rica

August 11 shot on the road to the cabin. He was alone & was making little short runs along the dirt & rocks. By this time I could think of nothing but getting back to the house. A pity because there are many birds here. Skinned in the afternoon, felt a little better. Set 15 mouse traps & was nearly made a skeleton of by the mosquitoes. Saw 3 cocky vultures directly over head while setting traps. Sleep birds. Parrots in flocks were frequent sounds & sights as were Kiskadees. It rained for about 1/2 hour. The sunset was beautiful. Still dizzy & slightly weak in the knees. Not hungry & that is unusual. Saw no Iguanas or Ctenodactylus today. Collected a Bufo marinus on the door way outside dining room there are 2 or 3 here every night. The dining room has a life.

August 12. A short rain during the night - and only one mouse. The area near where I set the traps could be the reason but I'm not certain. I saw runways & set traps in them. Got a late start because I had to clean the shot gun. Hunted the same area as yesterday except went further & closer to the river. Shot a parrot but he wasn't quite dead





C. Covelan  
1967

Journal

24

August 12 1/2 mi S.E. Finca Guiney, Guanacaste, Costa Rica  
I couldn't find him. Great disappointment. From  
a  $\pm$  60 foot dead tree I shot #128

. Her mate which was close to her  
when I shot her came flying at me & squawking  
loudly. I did the obvious. shot him w/ a 22  
because he was so near. About 100 yds from the  
river is a fruit filled tree I shot #130

. Was feeding & very flighty. I  
walked to the river & noticed how quiet every  
thing was. Looked up in the trees & to the left  
about 8-10 monkeys. (Lesson: don't stand  
under a tree full of monkeys.) As I started to  
put my hand on what looked like from  
the corner of my eye a large tree trunk it  
moved!! A huge huge squawk. Very  
startled. Then to my utter amazement  
I saw about a dozen leggy scampers  
across the river ON the water. They  
actually ran on the top of the water. The  
#131 and

#132 and

#133

were all shot within 100 feet of the river.

#132 & #133 were flying about like mad  
around tree trunks. The two

#133 & #134 were both shot on the road to the  
cabin. Both were doing their acrobatic  
sign displays. #135





C. Pauline  
1967

25

## Journal

34 feet

1/2 mi SE. Frica Timeney, Guanacaste Prov. Costa Rica

August 12 was just perched on the thin branches at the outside of the tree. Home late. Skinned afternoon. Rained heavily - we had to close the windows it rained so hard. It brought cool breezes which after a hot day were more than welcome.

August 13. Set net first thing. It ~~across~~ lengthwise on an overgrown road between two patches of vegetation. (Many dragon flies!) Down to the river to hunt. The #134 was doing its "dance" in the grasses. Occasionally he lands on a different branch from the one he began from. Then he returns to the original branch. I have seen them do this jump <sup>many</sup> ~~some~~ salt in trees but much more frequently near the ground. The

#137 I shot from a tree where he & another bird were chirping. I was unable to follow the other bird. #138 was feeding alone. He was quite active. The hawk

#139 was calling (but not being answered as were 3 other hawks I saw today) from a much lower branch than any other hawk I had seen. He was not on top of the tree as the others have been. He also was under branches w/ <sup>many</sup> leaves.





C. Pavlov  
1967

# Journal

25

<sup>cont</sup>  
August 13 1/2 mi SE Finca Guinenez, Guanacaste Prov, Costa Rica  
for about 1 hour of this morning hunting  
I felt extremely dizzy but have felt better  
the rest of the day. Came back to the  
cabin & hunted near it for little birds  
(22's). #140

was feeding  
with 3 others high in end branches of pretty  
leafy tree. The dove #141  
& flushed from grassy area below 3 foot  
bank. Could find no nest where he was.  
#142 & 143

were feeding  
in tree with some light yellow birds. They  
flew away before I could get one. They  
are flighty birds. The #144  
was jumping before I shot him. The trap  
set with peanut instead of cat meal.

\*see next  
page  
Also set traps in higher grass & shrubs  
away from the newly cut grass. Set 19.

August 14 Rained during the night. Got only one mouse  
but she had bushy fur so she was worth  
all the trap setting. She #145  
was in a peanut butter trap. #146

was alone in bush beside road.  
It was singing & quite still. There were no other  
bushes near - only grass. On a large tree  
with large leaves I shot #147.

Saw 2 others later in the day & they looked as  
if they were feeding each other. This was





C. Cavallini  
1967

# Journal

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Finca Jerniney, Guanacaste Prov, Costa Rica

August 14 done on a ~~low~~ branch. The  
#148 was singing on branch  $\pm$  2 feet from ground.  
He was surrounded by tall grass (and mud). The  
#149 was not jumping as

thadve seen others jump. Still dizzy. Set  
15 mouse trap - this time almost all in  
bush with peanut butter. Shot a #150  
on road. Was feeding as  
is typical of them. Jumping in the air then  
landing on road again.

\* see  
page 26

August 13 Went night hunting on road with truck. Saw  
38 in 6 mi in 6 mi & saw

insert  
from  
August 13

34 on return trip (6 miles) Also saw 2  
squirrels, one dead armadillo & one alive one  
one small barn owl & one Otus Cooperi.

August 14 (cont) Drove to Lañas & saw 7 in 6 mi but on the  
way back (6 mi) we saw <sup>27</sup> paraguas on  
the way back. Also saw 5 barn owls, one  
of which Mercedes shot & I stuffed it (#151.)

August 15. One mouse #152. No bats.

Feeling very ill. Hunted near the house. #153  
& #154 shot in big leafy tree

No singing. The #155  
same leafy tree but 15 min. later. The dove  
#156 was one of 2 perched on dead ~~low~~ log  
The hummer #157 was

in very leafy bush. Skinned paraguas, owl &





C. Castler  
1967

# Journal

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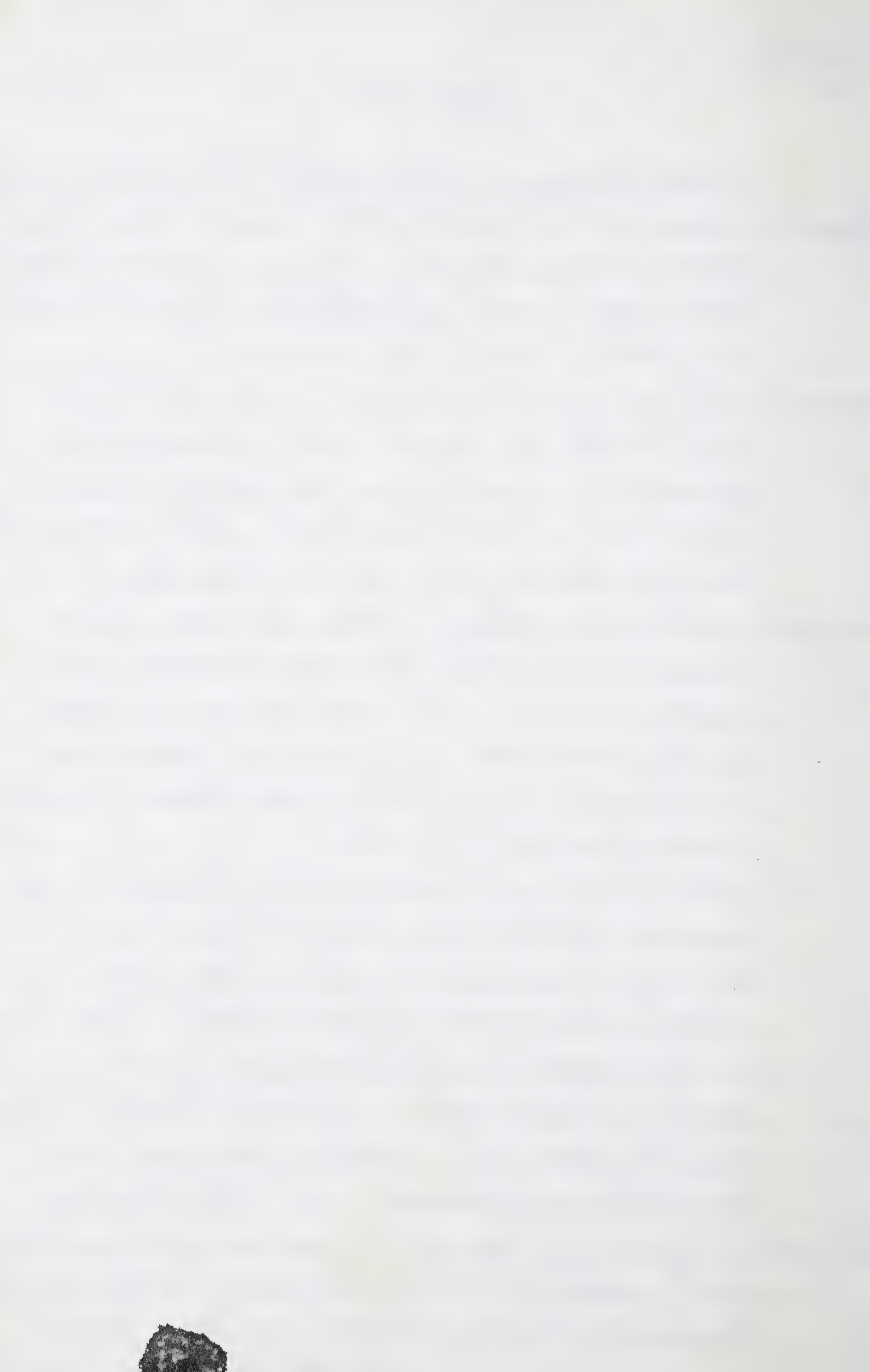
Finca Timenez, Guanacaste Prov. Costa Rica

August 15 mouse then went to bed. Can't keep food down & am extremely dizzy. Not a hard time even with alcoholic tags. No rain & very hot. Most of day sleeping

August 16 Stayed in bed all day - very ill but felt better at night. The four birds from today were from the net. Made effort to go owl hunting. Saw 1 Barn owl & many parakeets (2 on fence posts)

August 17. Still very dizzy - I hunted one bird, came in to rest hunted another then another 1/2 hr. rest. Not the way to build up large collection. 162, 163, 164. There are in small 10'-15' <sup>leafy</sup> trees near house (couldn't walk far at all!!) The 165  
flew low onto an hidden branch. He moved up the branch (10° L) as I was aiming. Monkey yelled at the shot even though I saw none before I shot. Rain (heavy) in afternoon. Couldn't stand up long enough to set traps. The owl hunt: 4 Barn owls, the usual large number of parakeets one *Myiophobus v. v.* & a *Atys b. b.*

August 18. Again feeling ill (not so extreme today) still about  $\pm$  3 PM. Haven't the energy to hunt for any length of time. The #147 was on dead log walking





C. Carroll  
1967

# Journal

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Finca Jemenei, Leonacaste Prov. Costa Rica

August 18

sleazy up. (slight degree) Dan & I hear song.  
The two woodpeckers # 168 & 170

Shot from same tree. Large  
dead (but many small branches) tree  
# 168  $\pm$  8<sup>AM</sup> & 170  $\pm$  3<sup>30 PM</sup> The parrot also  
was shot from this tree  $\pm$  9<sup>AM</sup> The  
reason for this tree's being popular is that  
I got to dizzy walking any further. Am  
feeling better today though. The 171  
was in leaf tree going from branch to branch  
very fast. Owl hunting <sup>over</sup> 5 Barn Owls  
4 Screech, 1 Virginia Op. The  
parrots were plentiful. Collected one Barn.  
They are hard to kill. Shot it with those  
shells I had made here & it wasn't  
dead when I found it. The mouse traps  
are around a rocky area tonight. Set  
only 10 - Rain light

August 19

Feeling better at last. No mice in the traps.  
Can't understand why I haven't caught any.  
We went to the river today. Mercedes &  
I hunted together today for the first time.  
Shot # 173 from a  
<sup>bare</sup> limb  $\pm$  60 feet up. He was about  
10 feet from the river. He was making  
no noise & his neck was tucked in &  
looked very short. The 174





C. Cavelar  
1967

# Journal

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1 mi S.E. Finca. Jimenez, Guanacaste Prov. Costa Rica  
August 19 was in a bushy ( $\pm 6$  foot) tree feeding. The monkey was in a group of  $\pm 8$  other monkeys. She got stuck to the tree & I expected a reaction when I from her "family" when I shot her down, but not a sound or action. She #176 was in the net. When I put up the owl from last night (#172) I found in his stomach only grasshoppers remain. Night hunting <sup>saw in</sup> 6 mi - 28 parakeet, 4 barn owls

Playas del Coco + Finca Jimenez Guanacaste Prov. Costa Rica  
August 20 Rain light in the morning. Heavy overcast. Left for Playas del Coco at 10<sup>AM</sup>. Saw sparrows, many anies, cattle egrets, vultures ~~two~~ only one hawk, ~~the~~ had lunch at the beach & sat w the sun. Watched the three brown pelican dive. Very warm water - light overcast but we got a little red. Came home & packed. Tomorrow we leave.

San Jose, San Jose Prov. Costa Rica  
August 21 A move to San Jose after last minute packing. Leaving Finca Jimenez we finally saw the bob white which we had heard calling most of our stay there. The drive took about 4 hours & we had good weather till





P. Pauley  
1967

# Journal.

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Hotel Boston, San Jose, San Jose Prov. Costa Rica

August 21 we were just outside San Jose. Heavy Rain  
Packed some birds to mail. For mailing  
details see Mercedes & the Pearmids' notes.  
(permits for import, export, collecting etc.)

August 22 Since I didn't have a collecting permit  
we decided not to ship anything in my  
name. They asked to see collecting permit.

~~August 23~~ Villa Mills 5.1 mi SE Cerro de la Muerte, Cartago Prov. Costa Rica

August 25 In clear weather we left San Jose at 9<sup>AM</sup>, took  
Pan American Hwy. 2 through Cartago & on  
to Cerro de la Muerte. The drive took  
about 2 1/2-3 hours. We had rain & some  
hail as we neared the summit. Heavy  
rain in the afternoon. Finally at 4<sup>15</sup> it  
stopped raining. Cold outside but I set the 3  
traps anyway - Expected rain the entire time  
but it stayed clear. After the traps I shot  
a #177. It was too dark to skin.

August 26. Got 2 mice - one at base of tree other under  
pile of thin sticks at near brush. Used  
peanut butter for bait. Clear morning, cool  
but not cold. Shot #178, 179, 180, & 181 (all  
) each from a group  
of the same feeding in trees. None were  
solitary. #183, 184, 185  
spend time hopping on the ground as well as  
sitting in trees. The #187





C. Cavelier  
1967

# Journal

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(cont) Villa Mills 5.1 mise Surrode la muerte, Patagones <sup>Cady</sup> ~~Rio~~  
August 26 was with another in a tree &

was eating purple berries. # 188

was feeding & hopping on the ground. The

# 189 was feeding from a white flower  
which grows close to the ground. The # 190

was about to land on a branch  
when I shot him. Used a half lead because I was  
afraid I wouldn't hit him. Other than  
that I have been using 22's on everything.

The birds are very tame here. I think  
I will have no problem with 22 shells. I still  
have a couple of half leads. In a small  
bush I shot # 191

The # 182

& # 186

were not eaten or covered with ants or insects  
as they were <sup>the mice I caught</sup> elsewhere. The rain began  
about 1<sup>30</sup> and at 4<sup>00</sup> when I wanted to  
set traps it was a heavy downpour which  
stopped about 7<sup>30 PM</sup>. It is very very cold  
here. Ray Mc Diarmid brought us some  
birds from a net I helped him & Dr. Peter  
Raven put up for bats. # 192

# 193

No mosquitoes or biting  
insects. I hunted in the dense areas but  
they were more quiet than the slightly  
open areas. Area green & full of little  
puddles.





C. Pavalur  
1967

# Journal

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Vila Mills 5.1 mi SE Sero de la Muerte, Parítago Prov. <sup>Puerto Rico</sup>

August 27 Clear morning until about noon when the fog came in. The afternoons are usually foggy as are the nights. #197 was feeding on the ground near a puddle of water ( )  
The #194 was on brushy

hill feeding on sparsely grass covered ground. There were 3 of them together. The

#195 was apparently feeding from a flower with several hummingbirds on this same plant about 20 min. later I shot #198 & #199

The #196 was in a small tree  $\pm$  4 feet. It was leafy ~~tree~~ ~~thickly~~. Saw  $\pm$  7 parrots fly over head. Later in the day one flew but I didn't see it land. Saw another squirrel but it looked as if it had a gray tail. Set traps: 10 with tuna fish & 20 with corn meal. The first 15 in shrub & the second 15 in forest by logs & tree bases. Saw 3 or 4 bats but didn't shoot them.

August 28. Clear again the morning & fog about noon. Today is the warmest day we have had. The two mice #200 & 201 were caught in the forest (none in the shrub) one in a dead tree





C. Cuvellier  
1967

Journal

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- <sup>cont</sup>  
August 28 Vale Mills 5.1 mi SE Cerro de la Puente, Costa Rica  
stump which was hollow like a tunnel & the second under a dead moss covered log. One #202 was feeding in large clear area & had 6 worms in its mouth. The second #203 was in a low shrub & was feeding on winging. The #204 was feeding on clear ground surrounded by low shrubs. #205 & 206 I frequently saw in leaves making little jumping back movements as if looking for food. They are often in dense areas. #207 is very common. Shot her from a low tree. Warmer tonight. We stopped skinning early to go bat hunting. We walked a little over a mile & saw only one bat. By that time (dark) last night we had seen several.
- August 29 One mouse in the low brush (bats corn meal). Packed & drove to Hotel Boston. Saw only one hawk on the way. No rain today. It began to cloud up about noon on the Cerro.





C. Pavlov  
1967

# Journal

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August 30  
to Sept 10

San Jose,

Prov., Costa Rica

Packing, sightseeing & shopping. Found it is cheaper to eat out than at Hotel Boston (\$1.00 per meal) out is usually ±60. Bought some 22 shells for Panama ~\$1.00 per box. With 2 OTS (Organization for Tropical Studies) students took train to Limon 12<sup>15</sup> P.M. to 6<sup>30</sup> P.M. Stayed at Hotel Park (had no mice - set traps) for \$3.00. There are less expensive places. My favorite city - the Atlantic, docks, trains & many Colombians. Bought a turtle shell at a "factory" which slots them for food. The shell was \$4.00 (too much - should have gotten it for less). Needed to be cleaned. Hotel didn't fuss when we brought it in. Returned by plane to San Jose after another day of sightseeing. (\$4.00) Bats on the roads by the ocean & we heard three <sup>all</sup> ~~lots~~ lot of sharks. Dried turtle shell (which is for me not museum) at the University w/ the hot house. Didn't dry very well in 5 days. Sent it to the U.S. by plane (over weight) with a friend. Have no idea if it arrived (passed customs.) It was packed in a gunny sack. Took bus to Puntarenas beach (alone) sun hot, rain afternoon, Hotel Imperial \$2.00 per night. Bus was \$1.45. Train was more. Costa Rica =





C. Paerelun  
1967

# Journal

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August 30 San Jose, Prov. Costa Rica  
Safe for & alone if she travels during the day.  
Train was at night & a little discomfort  
walking from station to hotel. Take the  
other train not the one to Limon. 2 stations.  
There is a airport bus for \$30 instead of \$5.00.  
Ask hotels. VW. buses. Sent all souvenirs  
home & anything I didn't use collecting in Costa  
Rica. She overweight on plane.

September 10 Left Costa Rica by TACA but on a  
chartered plane (it left earlier & I wanted  
time in Panama to try to get to Yaviza that  
day. Flight  $\pm$  45 min.

September 10 Panama City, Panama Prov., Republic of Panama  
Arrived 1.<sup>30</sup> Was told the flight to Yaviza  
was cancelled because the area was  
quarantined. But since the plane for  
Yaviza, Darien Prov. left from Pavilla  
airport (not International) I called &  
made reservations for next plane. (6<sup>PM</sup>  
Sept 11<sup>th</sup>) In order to get colectivo \$1.50  
into town (instead of taxi \$5.00) had to  
wait for an hour. to Hotel Ideal.  
\$4.00 per night - there are rooms for \$2.50  
but have to get there early in the morning.  
Telephones are very difficult to use.  
Hot & humid.





C. Paulsen  
1967

# Journal

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Panama City, Panama Prov. Rep. of Panama  
September 11. Left hotel 5:00 AM (dark) by taxi (\$1.00)  
for Paitilla airport. One way ticket \$10.50.  
plus \$5.00 for overweight. (I carried most of the  
heavy stuff so they didn't weigh it.) Well,  
9 of us got in the 6 passenger plane & off we  
went into the clouds & rain. I flew the  
plane part way even though I was in  
the back seat) because the pilot  
was doing his fingernails & the plane kept  
turning left till he would look up &  
straighten it out. We flew low enough to  
see birds but I didn't because I spent  
most of the time worrying that the wheels  
would come off the airplane from the  
tremor we almost hit. In the fog part  
of the way. Saw a clear area. Looked like tons  
of swamp & dense forest. Can't imagine how to  
collect here. We dropped off the other passengers  
at La Palma. While waiting for the plane  
to leave again, I suddenly realized I was  
the only ♀ & the only white. A moment of  
concern, but the land & water was just so  
pretty to care. Beautiful trees w/ orange blossoms  
The pilot & his one passenger (me) took off for  
Gavija. I wish he had paid more attention  
to his plane & less attention to me. He just  
couldn't understand what I was doing here.





C. Cavalier  
1967

Journal

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<sup>cont</sup>  
September 11 Yaviza, Darien Prov., Rep. de Panama  
At that moment I was having trouble understanding what I was doing here too because directly below were two crashed airplanes & a landing strip which I couldn't tell from the forest!! Well, the mud wasn't quite as deep as I thought & we didn't hit any of the trees. (I have a pilot's license & am not usually too afraid, however I usually don't try to top trees with airplane wings) Got out of the plane, conversed with pilot for a few minutes & off he went. Since there was no sign of people I wasn't really certain I was in Yaviza. Walked to the river a few feet away & tried to wave down a boat. The people were friendly.... they waved back. Finally (1/2 hr. later) I got 2 men to understand I wanted to go across the river to what I guessed was Yaviza. The three of us & all the luggage (mostly collecty stuff) got in dug out canoes & went across down river. The banks are steep & slippery. They hadn't heard of my friend by name but did know of one Gringo (white non Spanish speaking) who lived in town with a dug out canoe called the "Pink Panther". As I walked up the stairs to a board house on stilts I wondered just





C. Cavellin  
1967

Journal

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Yareiza, Darien Prov. Rep. de Panama  
September 11, what I would find. The door opened ~~shock~~ on an unshaven & somewhat surprised Gringo. At last I had arrived!! By the end of the afternoon I had ~~heard~~<sup>heard</sup> of the two murders next door last week (they got it with a machete) and of various other choppings. But Gringos are safe except my friend Peter. I eat with a Panamanian family next door to Peter's house. I am glad by the way that it is dark in their house at dinner time because it may take me a few days to get used to the food. The charge is \$25 a meal - lots of rice, some meat. At night one sleeps under a mosquito net to keep the bats away. Warm, no rain, sunset, music till late at night & lots of noise.

September 12 Everyone up  $\pm$  6<sup>AM</sup>. There are 43 little chickens living in the screen. It's amazing what one can get used to. Went down river to El Real (1 hr. with motor). Saw the following along the shores: neotropical cormorants, common egret, little blue heron, snowy egrets, white necked heron, great blue heron(?), black & turkey vultures, green heron, road side hawks (*Buteo magister*), white necked crane, yellow crowned night heron,





C. C. C. C.  
1967

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# Journal

Sept <sup>cont</sup> 12 Yaviza, Darien Prov. Rep. de Panama  
jacans, spotted sand piper, (4 yes pigeons),  
blue ground dove, ruddy ground doves,  
swifts (? don't know which) hummers,  
ruffs Vailed hermit, linnated woodpecker,  
Laughing falcon, capped heron, (heard  
& macaw (blue & gold we think)) <sup>saw</sup> rusty  
margin, barn swallow, rough winged  
swallows, mangrove swallows, martins  
(gray headed?), Ani smooth billed Ani,  
Great Ani, Ora pendula, yellow backed  
tanager, blue gray tanager, yellow backed  
oriole, keel billed toucans, blue black  
grass quits. On the river about 3 hours.  
When we arrived in town we were asked  
if we had seen the body floating down the  
river. Nope, too busy looking at birds.  
The man got it with a machete too. They  
haven't found the murder yet. Got some  
chicken feed, check out possible most net  
sights, had lunch with <sup>(Mr. Enrique Ochoa)</sup> very nice family,  
& headed back up river in slight drizzle.  
Walked around town & talked with many  
of Peter's friends. Dinner was good. Boy  
brought #209. I paid 15¢  
for it. Since I have no gun I tried to  
get some of the natives to collect for us,  
but they are amazingly lazy.

Sept 13





C Cavalier  
1967

# Journal

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Sept 13

Yareiza, Darien Prov. Rep de Panama  
Today we looked a little up river for net  
sights & visited the enteriocenos who  
are starting planting things other than rice.  
Very hot! On trail saw rusty margin  
flycatchers, blue gray tanagers, yellow  
rumped tanager, crimson backed  
tanagers, grass quits, one rat, huge  
flying beetles, little brown flycatcher(?)  
(heard tinamous) and ruddy ground  
doves. The #211 was

flopping on ground so we caught him. Agreed  
of Peter's (a native) brought a snake #210

. A young hunter brought a motmot  
which I paid \$5 for. It's alive so I'll wait  
to skin it because I want to look around  
some more. I think I'll stay about a month  
I will have to go to Panama city soon for  
more formalin & containers. I want to wait  
a few more days before start collecting  
so I'll know my way around better. Peter &  
I are the only two white people in town.

Rio Pirre, .4 Km S.W. El Real, Darien Prov. Panama

Sept. 14.

At about 9<sup>00</sup> a young hunter brought a  
#220. Paid 10¢ for it. On way to El

Real by motor on deep cut canal saw:

yellow crowned night heron, American egret,  
Kingfisher, cormorants, rusty margin flycatcher





C. Cavatini  
1967

Journal

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Sept 14<sup>cont.</sup>

Rio Pirre, . 4 Km S.W. El Real, Darien Prov. Panama  
greater ani, white necked heron, snowy egrets.  
going down the river we saw a man throw  
an almost dead snake into the river. We  
raced down & got it #219.

Had lunch with Bob & Janet for i Peace Corps  
i El Real. They had a 22 so we all went  
hunting - They for birds for these school & me  
for MVZ. We shot #207 on limb over the  
water. He was alone <sup>In stomach had armored catfish 190 mm</sup> He had  
and many broken fish bones.  
a strong ader. #218 was

sitting on limb alone too. On a rock beach we  
left the boat & collected a couple (10) of crabs  
#213. They ran to their  
holes when we got about 7 feet away. We  
(Peter) caught the w/ a stick with which he  
ploched the holes so the crabs couldn't enter.

#214 & #215

were shot from

tree ± 60 up. The #216

shot

from same tree about the same height up.  
The parrots I m told like the fruit of the  
same tree. We all sat on the beach  
for a while & talked. We came for a visit &  
ended with 5 birds & a snake. When 18 knew  
they had a 22. Shot several times at a  
Amazon & ringed king fisher but couldn't  
get one. Both Bob & Janet and Peter  
Slatter have netted birds here so I will





C. Caceres  
1967

Journal

4/3

Pomona

Sept 14<sup>cont</sup>

Rio Pirri, .4 Km S.W. El Real, Varadero  
got advice from them I hope. Skinned  
the two parrots & the toucan, gave the  
meat to the Fishes for their salad & head of  
back to Yaviza 5:45 I was able to see  
some heron from the Fishes. for \$60. I  
got to drive the "Pink Panther" home (with  
direction from Peter who knows the roads.)  
At night must be extra careful of objects  
in the area. Saw one large bat (fruit?)  
and several smaller ones. Saw 3 ruffed  
herons just outside El Real. Arrived in Yaviza  
after day, had dinner, fixed snakes, birds & went  
to sleep - very tired.

Sept. 15

Bought bread, moved the 43 chicks out of the  
kitchen & set up a skinning place (in the kitchen)  
Today we skinned & prepared the birds we got  
yesterday. We had 10 little hunters bring us  
big birds. Paid them 5¢ for 2. They took a while  
getting them but we still got quite a few. They were  
all caught in town & on the banks of town. The  
#247 was from Yaviza on  
the edge of town. Spent some time trying  
to organize a space to put everything. Tonight  
& Indians came to visit (plus the usual  
crowd of kids from Yaviza). Four of them  
will spend the night. Chochi Indians  
very friendly - from Rio Nequesa. One of their





C. Carroll  
1967

# Journal

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<sup>cont. ch</sup>  
Sept 15. Yaverja, Darien Prov., Rep de Panama  
Children is ill - malnutrition. Another's woman's  
sick kids are still upriver - being "cured" by  
a witchdoctor. A few of the Indians speak  
Spanish, the others chocó, their native tongue.  
(also speak emberá dialect.) #247

Stomach content: fish 59mm, 70mm,  
40mm, 59mm, 60mm, 50mm, 40mm, 30mm, 40mm, 59mm, 30mm.  
1 dragon fly, 1 Belostomatidae 40mm, 1 long  
thin fish more than 100mm (part missing), pentches  
from red crab, grasshoppers. The fish the  
Indians don't feed as Guavina.

Sept 16<sup>ch</sup> Did some washing, cleaned "lat" a little then the  
little hunters started scampering all over town for  
lizards. An Indian caught two fish <sup>264</sup> for me in  
the Rio Chucunague which runs in front of  
town. A mesquite here gave me another fish; #248

→ . All the today's catch is from  
town. The bat #266 was shot (with a wing shot) from  
the roof of a house. The other bats are from the coco  
palm trees #267, 268, 269, 270, 272, & 273

→ . #318 was by the river. Warm day.  
Some more Indians came to spend the night. A  
family w/ 3 kids. They are darling. The family  
was much more polite than the Indians from  
the night before (kept us awake ~~for~~ all night)  
They slept on the wood floor under a tarp &  
sheet. Messy but fun. Unfortunately all





C. Cavalee  
1967

# Journal

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Yareiza, Darien Prov., Rep de Panama

Sept 16<sup>th</sup> <sup>cont</sup>

the guests take time from collecting, but I'm a guest too & glad for a place to stay. Big rite in town - music till 2<sup>AM</sup> loud & clear - 3 live bands with wild dances. Safe to be out till the lights start #12 - 1<sup>AM</sup>.

Sept 17<sup>th</sup>

Hot. Peter (Slattery) spent most of the day building a container ~~to put~~ <sup>to put</sup> the skeletons in. There are numerous slits. The # 321

which we had a cage died so made a skeleton. Very heavy molt. # 332 was found in a Nance tree. He was molting heavily, but much came off w. wounding & skinning him. # 333 I am

told is common. He has 8 eggs (I think). Found in town. The # 334 had what

looked like cockroaches in its stomach. (There are tons of them all over - even in the day they run around the house.) The leopards again born town. We were brought a tiny baby hummer which Peter has decided to raise. It eats sugar, water & vitamins. He (?) lives in a film slide box & is fed by a syringe when ever he cries. Peter is also trying to feed, with not success, a set viper (3). (Hognosed viper?) # 322, After being skinned we put him

in a box & solution to stay over night. I fell asleep at 8<sup>00</sup> & got up at 7<sup>30</sup> Full





C. Cavdley  
1967

Journal

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Sept 17 Yaviza, Narina Prov., Rep de Panama  
very good. Best night sleep since Costa Rica.  
Sept. 18 More lizards from "the little hunters". The #349  
was shot while flying by the  
river by one of little guys. The other three  
350, 351, 352 were shot from mango trees.  
in the morning. We pinned the snake  
skin from yesterday +  $7\frac{1}{2}$  feet. - Was given  
#353 as a gift - caught in  
the river in front of town. The river is always  
brown + contains the sewage from Yaviza.  
Set up two mist nets. One #1 (6 meters) in a  
grove over orchard (~~grass~~ vegetation 152  
feet.) Also here we set 28 mouse traps  
+ 2 gopher traps. The other mist net we set #2  
top of a hill (small) directly up from the  
river. Only a few trees - grass  $\frac{1}{2}$ -1 foot.  
On the edge of the cemetery. On the small  
net we got a hummer #354  
and #355 . #356

from Yaviza #357  
was caught by hand from a mango tree in the  
city about 6:30 PM. Peter + I left the nets up for  
the night. At 8:30 PM we checked the nets. On  
net #1 we found #358 + #359  
#360 and #361  
In net #2 was only #362  
We were attacked by several million mosquitos.





C. Carroll  
1967

Journal

52

cont  
Sept 18<sup>th</sup>

Yaviza, Darien Prov., Rep de Panama

#354

feet reddish flesh colored,  
upper mandible all black, lower mandible flesh  
becoming yellow & black the end third. Skinned  
till 12<sup>30</sup> light fair to poor. It is difficult to get  
anything done because of the high number of  
visitors. Today there was a little rain about  
four, but we are having a relatively little  
rain for Yaviza this time of year.

Sept 19<sup>th</sup> up at 5<sup>30</sup> to check the nets. In net #1 (over  
grown orchard) we had #388 & 389

Also #390

and

#391

The mouse traps were  
empty - most had bats skinned in them. The other  
net #2 ~~is the~~ had 2 bats #392 & 393

Also #394

& 395

One of the kids brought a  
bat from his house #396

The nest #397 and the 2 eggs #398 are from a  
Ruddy ground dove. Nest was 3½-4 feet from the  
ground in a tangled low shrub. The skeleton  
#399 is the same ~~bird~~ species

as #390. #400

, #401

, #402

, #403

were from net #1. These were  
collected about 3<sup>30</sup> Net #2 had #404  
and 405

and 406

. #407 ~~was~~





C. Pavlov  
1967

# Journal

53

Sept 19<sup>th</sup> <sup>cont</sup> Yaveja, Darien Prov., Rep de Panama  
was brought to us by a "little hunter". The fish  
# 408 , # 409  
# 410 , # 411  
# 412 were caught from the

fifty dirty creek which runs through town. It's  
really more of a river than a creek. When  
the creek floods there are big fish which the  
people eat. Since I am collecting without  
permits & have no export or import permits Dr.  
Pearson suggested I do mostly alcoholics &  
skeletons. # 413 was caught  
here in town in a palm tree. I should mention  
the reason I have no permits is that I didn't  
know I would be collecting in Panama until  
a few weeks before I left Costa Rica.

Sept 20<sup>th</sup> At 6<sup>15</sup> a little knock on the door & in walks  
a # 441 . Then off to the nets:  
in net # 1 we got # 436  
# # 439 , and # 440  
Net # 2 we got # 437  
+ 438

At the nets I began to feel ill & by the time we  
got back I was wrecking (in the morning)  
(also had extreme tourist's). Spent the afternoon  
lying down - did eat a little dinner. Fever  
There was quite a bit of activity in the  
afternoon. Some kids brought in 3





C. Cavalier  
1967

# Journal

54

Sept 20<sup>th</sup> Yaviza, Darien Prov, Rep de Panama  
live large bats <sup>from wing palms</sup> # 442, 443, 444

. Coming in the front door at the same time were 3 rather frightening looking men with two ~~cans~~ snakes they said were poisonous. Sent next door for Peter - The snakes weren't poisonous & one wasn't even a snake. # 446

The snake # 445 he wanted \$5.00 for but settled for a dime after much discussion. He thought he had risked his life. The afternoon nets brought in # 448 (skeleton) who is same as # 366.

also #'s 449, 450

. # 451

# 452

The kids brought in ~~five~~ <sup>five</sup> bats: # 453, 454, 455, 456, from Coco Palms & ~~from~~ Palms. # 457

came from papa was a hut in town. The evening nets: <sup>not # 2</sup> # 458 (skeleton) same

as # 406. Also in net # 2 was # 459

# 460

, # 461

In net # 1 were # 462

# 463

& # 464

# 465

was brought in by a little boy. He got it in a <sup>cocoon</sup> ~~coco~~ Palm. # 466 was brought in in fairly bad shape. Due to heat he has started to slip a little. Also in the evening net # 2





O. Currier  
1967

Journal  
Yaviza, Darian Prov., Rep de Panama

55

Sept 20 were # 467 and # 468  
• # 469 is a group of fish  
that the kids brought from the river.  
# 470 up to & including 479 we found in  
Yaviza. # 480 was  
found under a house (on stilts as are most  
of the houses here.)

Sept 21 From net #1 only # 481  
and from net #2, # 482  
# 483

and # 484 • # 485 ~~was~~  
was brought in by a "little hunter".  
# 486 under a house as was  
# 487 and 488

The bats # 492 up to and including # 506 were  
brought in by the kids & found in the roofs  
of their houses. # 492, 493, 494 are  
• # 495, 496, 497, 498, 499 are  
• # 500

# 501 , # 502 ,  
# 503 , # 504 ,  
# 505 , # 506 •

# 507 is group of fish the kids brought in from  
the river in front of town. # 508 up to & including # 514  
are from town. # 508 + 509 + 500

# 511, 512 , # 513  
# 514 • hot, <sup>small</sup> shower, humid.





C. Cavalieri  
1967

# Journal

56

Yarigua, Darien Prov., Rep de Panama  
Sept 22 overcast but cleared - hot, humid, no rain.

Dry ~~season~~ <sup>spell</sup> for this season. From net #1:

# 515

, # ~~516~~ <sup>520</sup>

# 521

, # 522

# 524

, # 525

# 526

, # 527

# 528

. The group of fish #529  
are from the river in town. # 523

was found in town. They are  
very common. A family in town wants to  
sell a baby deer <sup>alive</sup> for \$20.00. I told them  
I'd buy the head & hide for \$1.00. NO. I may  
get it yet though. They sell alive, wait till they  
grow up, then eat them. Was side tracked  
by some wild music (live) from a house  
near by. Since it is not considered poor  
manners to stop in a doorway & stare, I did  
just that. (along with about 20 other people.)  
2 drums, 1 accordion, & 1 scratchy instrument.  
And could they sing. All very dark skinned.  
The bats # 530 - 536 the kids brought in from the  
coconut palms. # 547

was  
by the river. More Indians spent the night  
The "lat" is a mad house. There are kids in &  
out all the time. It is necessary to leave the  
doors & windows open for ventilation - conse-  
quently everyone stops by for a visit or to





C. Cavaler  
1967

# Journal

57

Yareiza, Darian Prov., Rep de Panama

Sept 22 bring a lizard. Some one brought 7 fetal pigs over. They were quite large so I decided MVZ wouldn't want them ~~any~~ because they are domesticated.

Sept. 23 overcast, very warm, visit by some missionaries. Took down mist nets & cleaned up lat & prepared for trip up river tomorrow. In net #1 we had #550

#553

, #554

#555

#561

In net #2 there were #549

and

#552

. The snake skin was in

Yareiza #551

. The three little

rabbits were found due west of Yareiza 2.5 miles.

They are all three from the same litter. #556,

#557 + #558

. The armadillo

#559

in Yareiza too. The #560

found same place as rabbit.

#562

, 563, 564, 566

in Yareiza. #565 + 567

also

Yareiza #568, 569, 570 I think are from just west side the "city". Can't be certain of these. The

kids say they bite. The #571 was here to. Was #572.

#573

+ #574

were brought in by a little hunter. \$5 each. Since 22 shells cost \$5 each I decided it was a fair price.





O. Carolein  
1967

# Journal

58

Yaviza, Darien Prov., Rep de Panama

Sept 23<sup>rd</sup> They shoot them with sling shots. #575  
we see on the hill (cemetery) looking  
down to the river. The 2 drummers are out  
side playing & singing. Their melody is very  
catching & they grin like crazy when they sing.  
They throw their heads back & really enjoy  
their sounds. I forgot to mention that we  
bought #560 for 50¢ and  
ate him for dinner. 50¢ is a low market price.  
#576 came with a "little hunter".

Sept 24<sup>th</sup> #577 is the catch in the river for today.  
#578 from roof of hut as  
dead #582 #589

. The #579  
a "little hunter" shot here in the city. The #580  
that is now skinned we bought  
for \$50 is the one, I think, that they wanted for \$20.00  
for alive. #581

#584

, #590

#593

are from the Socor proper.

#583 are from the river in front of town. They  
come into us one by one or three or four at a  
time usually. #585, 586, 587 are across from  
Yaviza by the saw mill. #588  
we paid 20¢ for. #591, 592

are from near the river on an old fort. A busy  
day - didn't finish everything - will have





P. Pavelle  
1967

# Journal

59

Yaveja, Darien Prov., Rep de Panama

- Sept 24<sup>th</sup> to finish everything tomorrow. Still no rain. Definitely a rain shortage for this time of year.
- Sept 25<sup>th</sup> Finished everything from yesterday, made plans for a possible visit from Dr. Pearson or Ward Russell. Spent afternoon (late) seeing if arrangements could be made. #594 from house in town. Small down pour for about 15 minutes. Now we have a little more drinking water than we did. If we don't get anymore animals we can go up river tomorrow or the next day. It makes a difference if one goes with the tide instead of against it. The trip is from 4 to 6 hours depending on amount of water & how much bird catching. Relaxed in the afternoon a little.
- Sept. 26<sup>th</sup> overcast, no rain, warm as usual. Wrote Dr. Pearson about possibility of his & Ward Russell's coming. Have no idea of their possible response. With out knowing someone here, collecting would cost a fortune in time & money. It is necessary to have boat, motor, someone who knows the river, the Indians & their ways. Peter Hattery does & is & has been a fantastic help. For this reason I asked if the museum if they wanted to send someone down. A shame to waste





C. Cavell  
1967

60

# Journal Yaviza, Darien Prov., Rep de Panama

Sept 26 the opportunity, but I imagine it will be difficult on such short notice. Wrote letters.  
# 595 + # 596  
from roof of hut. # 597  
is from Rio Chico 1 Km due E of Yaviza. Paid 20¢  
Packed for up river, got gas, bought supplies.  
We went up Rio Chico to look for mess net  
sites. We bathed & did washing in the River.  
(the way the people here do) jump in with your  
clothes on & wash yourself & them at the same  
time. The fish kids if you stand still in  
the water. They attach idle soap bubbles &  
divers flip the second they land. On the  
way back we stopped at the missionaries  
who have lived here for 5 years. They have  
lanana trees behind their house & said  
we could set mess nets there for bats if  
we wanted. Belderemo Dekia & En/sermedajillo  
(his son) and their two families were hosts. They had  
dinner for us & gave me a pair of <sup>rubber flip-flops</sup> ~~which~~ because  
I had lost one of mine. We stayed til about  
9 P.M. then headed home in the dark. Earlier  
that day Peter taught me how to use the  
motor & paddle & palanca. There are  
channels in the river & some parts should  
be known well before being used by a boat  
with a motor.





C. Cavalier  
1967

Journal  
Yaviza, Veria Prov., Rep. de Panama

61

Sept 27 The

#598 & the

#599 were brought to us by a little hunter. One of Peter's Indian friends came to visit & since he was going up river we offered him a ride. While we were waiting for a snake someone wanted to sell, I took a flute like object off the wall & tried to play it. Could get no sound. Tasted him & he said that he had forgotten, but when he played I couldn't believe my ears. I am almost certain it was a Bach fugue. The snake never arrived so we left for the river. Then we got 3 more Indians who wanted a ride. The piragua was heavy <sup>& slow</sup> because of all the baggage, people & another piragua which we had inside Peter's. About an hour up the river I spotted 2 little fat sticking up out of the water - 1 dead #600.

. Put it in the front boat & sitting half way back we could hardly reach. Shortly after we dropped off the Indians & headed for half way between mouth of Rio Yaviza & Rio Uraganti. The still had a very bad odor. Lots of little forms on the way up. Very few birds - I was surprised. All the Indians were friendly & waved at us. The sun was hot but when the boat was moving





C. Cavaleri  
1967

Journal  
~~Catalogue~~

62

Rep de

4 Km N., 3.5 Km W of mouth Rio Tuguesá, Darién Prov. Panama

Sept 27

we didn't notice it. At the break, Valerio & Diego  
we brought and drank the water which we  
carry in chlorax (plastic) bottles. The river  
water is very brown. When we run out of  
water we will use the river with halazone.  
We arrived after having driven (full speed)  
for hours. We stopped at their farm,  
baked our feet (because it has a motor) with  
rice & people & drove up to their house.  
The tanks are all muddy but they never  
get this just as dirty as the Gringos.  
Everyone goes bare foot - I have trouble  
getting used to it even though it looks  
clean & soft. We skinned the  
and let it soak in the  
river so the fish would eat some of the  
meat. Since it was raining anyway (hard)  
we decided it would get dry very fast so  
we experimented. The houses (1 large room) are  
on stilts & have no walls - just roof. They (we)  
sleep on wooden floors. There are 3 families here  
so there were 3 little tents & 2 mosquito  
nets. For some reason they laughed when  
we were putting them up. Their tents you  
can see through & instead of one person  
per tent (net) the entire family uses one.  
For dinner we had fried plantain and





Repde

4 Km N., 3.5 Km W. mouth Rio Yaguna, Darien Prov., Panama

Sept 27<sup>th</sup>

smoked curassow & guava which they had killed a few days ago. Delicious & lots of it. The children are well behaved. (four of them). One girl (about 14 or 15) was painted black. Reason: she had just gotten married. They enjoyed our lantern. The two bats # 601 & 602 we caught with an

insect net in the house. Peter & one of the men tried to catch some of the begones (with the net) who live under the house with the pig & chickens & dogs. No luck. They speak a little Spanish so the language isn't too much of a problem. The rain was the first they've had in a while. I hope it's raining in Yaviza too because the drinking water was low when we left.

Sept 28<sup>th</sup>

The formaldehyde doesn't smell as strong as it should so instead of staying longer as planned we will go back tomorrow & I'll go to Panama for supplies (I really have to leave even for a few days) & then come back up to collect. We decided not to set nets because of bad formaldehyde. I doubt the 2 bats will last. The cat ate the hummingbird Peter was raising - a shame since I've had kept it this long! In the morning we took one of the little boats (without motor) up the river





C. Carolein  
1967

# Journal.

64

7

Rep. do

cont.  
Sept 28.

4 Km N., 3.5 Km W of mouth Rio Fegusa, Darien Prov., Panama  
to look around. It was till  $\pm 1^{\circ}$  then rain  
in the afternoon. We found another

#603. It too was dead &

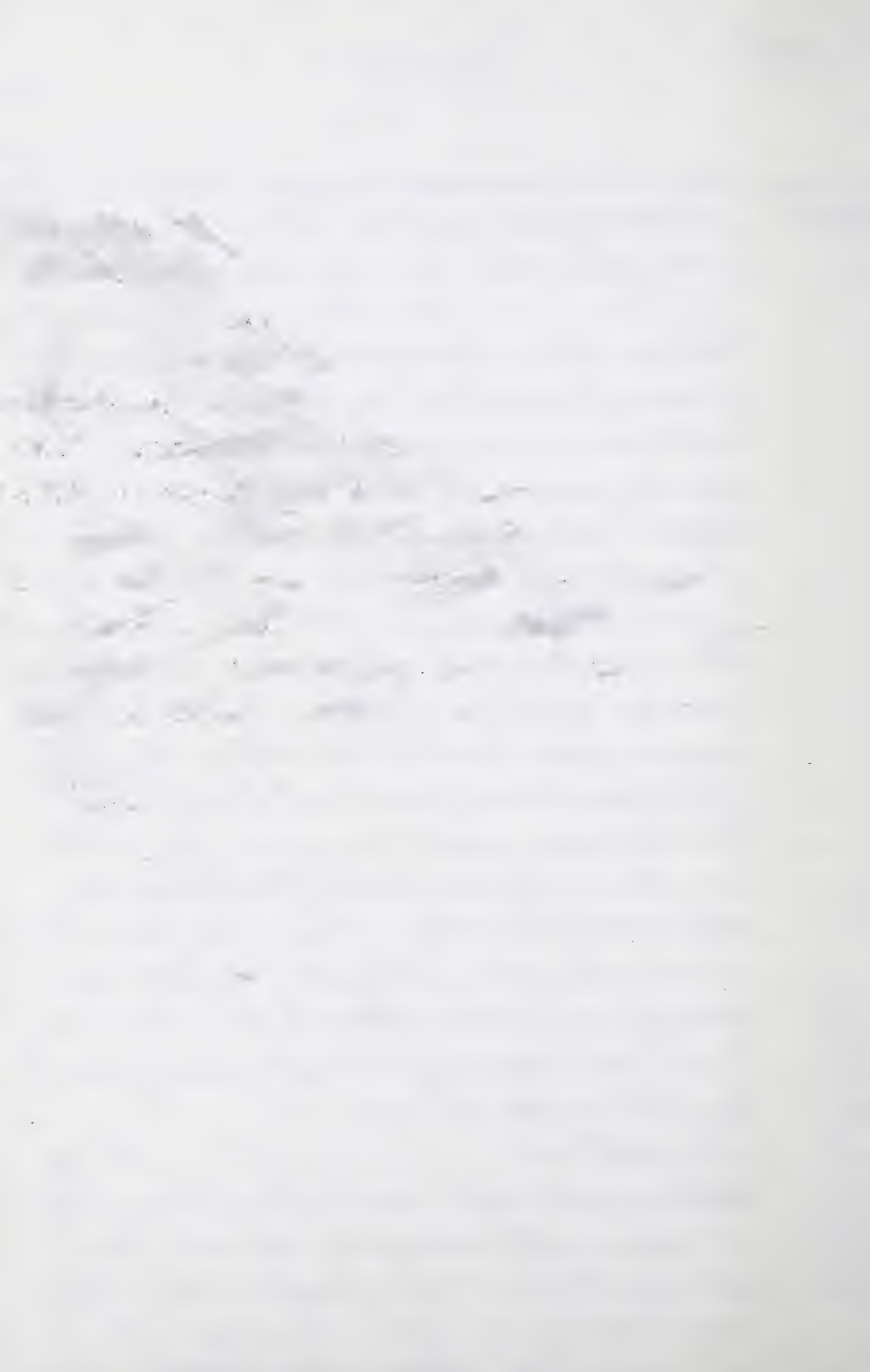
had an ader. Breakfast & lunch were the  
same as dinner last night. Heavy rain for a  
short time in the afternoon. The Indians eat  
three Big meals a day. After the rain we went  
down to the river to skin #603. We started  
down river after the rain in hopes of getting to the  
farm. We explored a little quebrada  
then the rain came. After dinner 2 Indians  
took us hunting. Walking barefoot to the pir  
agua made me a little uneasy. The flash  
light wasn't as bright as it could have  
been. Up river about 20 minutes by motor  
we took a quebrada (tributary). Here we  
didn't use the motor. The current was strong  
because the river is beginning to flood. We  
saw several bats & Basalises. As a matter  
of fact one ran right to the piragua to  
say hello & is now #604

Peter shot #605

. He was

standing on a mud bank. The Indians laughed  
because after the shot several ducks  
flee away & we got a "useless bird." They  
were hunting for food. The gun (22) is  
there. Good shots. We brought shells.

#605 stomach contents shrimp,  
vertebrae (fish?), packed  
mud.





C. Cavaler  
1967

# Journal

25

Sept 28<sup>th</sup>

4 Km N., 3.5 Km W of mouth Rio Sugecua, Darien Prov., Panama <sup>Rep. de</sup>

We stopped at a rocky bank to get rocks for sling shot. We saw no mammals or birds the Indians wanted to eat. The

#606 Peter shot from about 100 feet. I couldn't even see it. Since it was about to rain, the clouds covered the moon & stars & the night was dark. Heavy brush & very strong current made us turn back for home. Heavy rain on way home - I was very cold. We shot a  $\pm$  5 foot. He thrashed around & then sank. We gone about 3 hours. It was a very wet evening even though we didn't get much.

was caught  
#625 saw a rice field

Sept 29<sup>th</sup>

One Indian left the hut at 5<sup>30</sup> AM to hunt up river. He followed a tapir with a young all day but didn't get them. Peter gave the Indians some seeds & then we went down river to their farm. I took pictures for some time till an Indian had time to take us in the forest hunting. On Sept 11 (page 37) I wondered what it would be like & how it would be possible to hunt in all the swamp like forest. One just wades through it. But he did insist we (& he) wear shoes because of all the thorns. I didn't need because I had already fished in a thorn tree earlier & stepped on a branch or thorn. The





C. Cavelier  
1967

# Journal

66

Rec de

Sept 29<sup>cont</sup>

4 Km N., 3.5 Km W. of mouth Rio Tuguesa, Darien Prov., Panama  
are long & thin & painful AND hard to get out. We  
wore the Indian shoes - too big for me (causing  
sores when I walked) & too small for Peter.  
The water was from ankle to knee deep most  
of the time. The insects were bad only if one  
held still. We crossed several streams that  
were far enough away from the logs we  
walked on to make me a little nervous. Our  
guide hardly broke his stride. Amazing people.  
The forest was dark. Several palm species.  
We went to the place where they cut the Cedro  
Esprinoza for their piragua. It was  $\pm$  150 feet  
high. They rolled it out & 3 men carried it to  
the river. Amazing. We shot #607 & #608  
fairly close to one another.  
In the same habitat we shot #609

#610

#611

. Right on the border of the  
rice fields & the forest our guide shot #612

. The old man got #613  
with a machete. While  
we were in the forest the Indian caught  
by hand #614 & #615

We swam, ate lunch & all went back to the house  
because the clouds were full & about to rain. While  
loading the piragua I had to marvel at how the  
Indians could carry (bare foot) 100 lbs sacs of





C. Paerl  
1967

# Journal

67

Sept 29<sup>th</sup> <sup>Rep de</sup> 4 Km N, 3.5 Km W of mouth Rio Tugusa, Darien Prov., Panama  
nice across a log that I couldn't even cross with  
tools. Rain was heavy & long. Since I'm still  
a little afraid to be out at night we decided  
the best way to here it would be to float down  
the Rio & camp in the boat further down  
the Rio. The evening passed with only minor  
incidences - no rain. I was very upset to  
find the river had flooded (up  $\pm$  4-5 feet)  
and has taken #600 & 603

with it. The Indians & Peter dived for them  
before we left ~~but~~ (8<sup>30 PM</sup>) but no luck. We  
tied the senagua to a stump as a mud bank.  
The river flooded only one more foot so there  
was no problem. The evening was warm. Saw  
a barn(?) owl, *Tasalisca*, frogs.

Sept 30<sup>th</sup> First thing I did was to remove the last of the  
therms - my feet are very sore. There was heavy  
mist but my raincoat didn't leak during the  
night morning so no problem. We floated for  
about 6-7 hours during which time we  
saw the following birds: turkey vultures, black  
vultures, striped heron, little blue heron,  
neotropic cormorant, Green Ibis, spotted sandpiper  
blue & gold Macaw, Ringed Kingfisher, woodpecker  
(either lined or Red crowned), tropical kingbird  
rusty margin flycatcher, (barn swallows?), Rough-  
winged swallows, Mangrove swallows, blue headed





C. Cavalcini  
1967

# Journal

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<sup>cont</sup>  
Sept 30<sup>th</sup> Yareiza, Darien Prov., Rep de Panama  
parrots, orange chinid parakeets, Red-bellied parrot and  
or mealy parrot-capped heron. Arrived just  
before dinner but too tired to eat so went  
directly to bed. Forgot to mention #616

#617

As we were about to go swimming off the pieragua  
these two little creatures decided to swim too.  
Pitu + I chased them in the boat & they were killed  
with the paddle. We changed swimming holes.

#618

had in its  
stomach sardines 1 large (56 mm) 3 small (40 mm),  
shrimp, parts of other fish. He was shot from  
boat.

October 1 #619

brought by a  
also

little hunter. #620

by a little hunter. #621

was a surprise because the kids said they rarely  
see them this time of year. The

#623 and

#624 were caught

in front of town. Went to El Real for baskets  
for shipping, glycerine for the snake skin; gasoline,  
The items cannot be purchased there. We have a  
friend there who had the above. We were up  
river when the gas boat came so we <sup>almost</sup> ran out.  
Took people (4) back from El Real so the ride was  
longer than usual. Saw a flock of pudu  
ducks (?) by El Real - we went in to get a 22+

#620 stomach contents  
large grass hoppers only  
crabain contents - no bones  
any salt





C. Cavaler  
1967

# Journal

69

October 1 Yaviza, Darien Prov., Rep de Panama  
raced back to try to find them. No luck. The  
usual birds (in transit).

October 2 Spent quite a long morning packing alcoholics.  
A few had rotted - again the bad formaldehyde.  
When I got to Panama City Gwill put new formaldehyde  
in all sack & repack with cheese cloth. The  
skeletons are slow in drying & a few got moldy  
while we were up river. Sooo! Also had to  
remove maggots from boat-billed heron #605.  
The afternoon was spent the same as the morning.  
A little hunter brought us #626.  
It was killed across the river from town. #627  
a little hunter brought.

We went to dinner at John & Ruth Jenkins.  
They are 2 of the 4 missionaries on Rio Chico  
just outside Yaviza. The other 2 are Alec &  
Sylvia Harwood. They live right by one  
another. Some late. Light drizzle.

October 3 Set up 5 mist nets around the plantations & plants  
in the backyard of the missionaries. See chart  
& drawing for details. Warm day - threat of  
rain. Did washing. Clothes tend to mildew  
easily. Necessary to air them frequently.  
Nights usually warm. Use only a sheet, however  
on occasions a blanket is nice. It's a little  
cooler when it rains. Visited the town "jeweler".  
Am going have a ~~beetle~~ horn set in gold & put on





C. Carlier  
1967

# Journal

70

- 2 mi E Yaviza, Darien Prov., Rep de Panama  
Oct 3<sup>rd</sup> cont. a small gold chain. \$3.00. Had dinner early & headed for the nets. The earliest bat was at 2:30 PM. We stayed up all night. There was a very slight mist most of the night. I was very cold and tired about 3:45 AM. Peter was better by either #641 or #643. Hence at 5:45 AM we jumped in the panga & headed for El Real with the two bats. Bob Fish was going to Panama City & could have the bats checked for us. We hope if Peter must have rabies shots that they will send them so we can do it here instead of Panama City. Peter had to chase the plane down the landing strip, but we made it. Got the mail in El Real. Received Dr. Pearson's check for \$150.00 which pays for what I have spent in Costa Rica & here & leaves a little for buying animals the kids bring in. Also in El Real we checked for the shot gun that was supposed to have been sent me. No luck. Bought some alcohol since I couldn't get formaldehyde. Will use it till Oct 9<sup>th</sup> when I plan to go to Panama City for supplies. It takes so long to do everything here. Finally at 1:00 we took a nap till four. Tended the mist nets up river & came back for dinner. The kids brought #671





C. Cavaler  
1969

# Journal

71

Yaviza, Darien Prov., Rep de Panama

October 4 #672

#673

From the bat nets came # 668

#669

& #670

From the leaves of the sugar cane came #  
#674 & 675

By the way one  
eats sugar cane by cutting off hard outside  
& chewing & sucking on center of cane, then  
throwing away the fibrous part there is more  
cane underneath. Needless to say I fell asleep  
early because of no sleep last night. Rain.

October 5

Became quite sick to my stomach at 3<sup>AM</sup> Had  
a hard time sleeping - had chills & then was too  
hot. I awoke this morning feeling great!!  
must have been something I ate. Boy, do I  
miss American food about now. When I get  
to Panama City I plan to spend at least 1/2 the  
time eating. Warm day - over cast, dark  
clouds. Hope it doesn't rain tonight because  
I want to stay up & get bats again. Wrote letters  
Am weeks behind in correspondence. Tried to net  
in the afternoon but it was too hot. On way to bat  
nets up river some Indians stopped us and gave  
us #681

in exchange for a caiman.

They say they aren't common near the river where  
it was found. The people in town believe it is  
the mother of the coral snake & very  
dangerous. Rain early in the evening so bats





C. Carroll  
1967

# Journal

72

1/2 mi E Yaveiza, Rio Chico, Darien Prov., Panama  
October 5 off to a slow start. See time table. got two  
hours sleep total during the night. Very tired.

October 6 many more bats after 12 midnight than  
the other night. # 718 was

found under a house. # 719  
in a 15 foot high net between two palm trees.  
# 720 on lawn. # 721

was "captured alive" at side of  
town. They call it "chicken of the mountain"! Tried  
to raise it but with no luck. He became very  
weak. Tonight is the big night. The five  
best little hunters, Peter & I are going frog  
hunting. It is dry - very dry - for this time of  
year & we are almost out of drinking (rain)  
water so I haven't very high hopes for  
a huge catch. We went across & up the  
river a little. Saw nothing. We stopped  
at the Yaveiza saw mill & scouted around. Under  
some large (dia 2 feet) logs we found # 722

Also here we found # 723  
, # 724 , # 725

, # 726

Just a  
few hundred yards further on, out weeds we  
found # 727 + 728

These few little frogs having taken so long to  
find we decided to wait for a rain before  
we have an organized frog hunt again.





C. Cavan  
1967

Journal

73

Yareza, Darien Prov., Rep de Panama  
October 6<sup>cont.</sup> #729 from a little hunter.

Oct. 7 It drizzled during the night. But a very hot day. Everyone just sits around when it's this hot. From the nets we left up (over 10' high) we got #730, #731

#732

, #733

#734

, #735

#736

#737

the three birds #738

, #739

, #740

in net #2 which was 6' at the bottom.

#741

, #742

#743

on the banks of Yareza.

Right now I am being entertained by the 2 little hunters who are dancing. They sort of dance behind the door & then dance into the room a little then race out. They are dancing with the trio who are practicing a few houses away. From the time the birds can walk, they are encouraged to dance - and they can. Threats of rain again. Lett shower about 4<sup>PM</sup> heavy rain about 5<sup>00</sup>. The rain tanks are almost out again.

October 8 Am going to Panama City tomorrow. Got another letter from the Shermans (live in the Canal Zone) saying they don't if I'll be able to get through the quarantine at the airport. For





C. Cavalieri  
1967

# Journal

74

Yaviza, Darien Prov., Rep de Panama  
October 8 This reason everything will be alcoholics. The  
guards will understand that if the specimen  
is alcohol that they can't spread hoof and  
mouth disease, but skins they won't  
understand. In the morning # 744  
, 745

746 were brought by little  
hunters from Yaviza. # 747, 748, 752  
were from the banks across  
from town. # 749 # 751  
, # 751 came

from the populated part of town. # 753  
, 754, # 755  
, came from edge of town.

# 756 , 757 ,  
758 , 759 ,  
760 , 761 ,  
762 , 763 ,

also from town. # 764 ,

767 , 768 ,

769 , 770 ,

771 same from across the  
river. The two baby # 765

and # 766 from town as did 772

. Normally I would make  
skins out of most of the birds & mammals but  
the optosa is really much to do in Darien.





C. Cavaler  
1967

# Journal

74

Yaviza, Darien, Rep de Panama

Oct 8<sup>cont</sup> Went to El Real today - check results of test. Told that no injections were necessary for Pitu. Heavy rain on the way home - cold. Rain light most of the evening.

Oct. 9 Sick during the night again - chills, then too warm. Felt very well in the morning. Took ADSA (\$0.50) to Panama City. I recommend flying from El Real not Yaviza. Taking off from Yaviza is quite an experience AND the airfield has been condemned several times. As a matter of fact I recommend taking a boat. If it weren't for such careful examination of boat cases etc on the boat I would have taken it. We flew through clouds & rain, and the pilot was not in communication with anyone. No problem at Paitilla airport. My friends Lt & Mrs. Williams & Sherman had Lt. F. Lerezo Purcell of the National Guard meet me so no one checked my bags. Lt. Purcell also sent me a 12 gauge shot gun, a 22 and some shells - most of which I received. He sent them through the Guardia which isn't what we say on the hip & up. I am staying in the zone with Bill & Ellen.





C. Cavalier  
1967

# Journal

75

~~Panamacity~~, Canal Zone, Rep. de Panama  
October 9 Sherman. They spent the afternoon helping  
me get formaldehyde, plastic bags, etc.  
Amazing that we did so much. Without  
them I would still be at the airport. Rain.  
Warm. Had Hot shower - Spent in air conditioned  
room & it felt cold. Went to officers canteen  
for dinner

October 10 Can't find Heggans Eternal Black ink  
anywhere - using Script permanent -  
Finally found "cheeze cloth" in the zone  
not Panama City. The labels from NOV  
were here when I arrived so I started  
new entry tags for the specimens I have  
made <sup>temporary</sup> tags for. Also wrapped for  
shipping those which I had finished.  
In total I have to write  $\pm$  400 tags.

I change the formaldehyde ~~and~~ alcohol  
of each plastic sack, wash off the  
specimen & ~~put~~ wrap it & put it in  
new plastic bags. Visited the Dr.  
he pains in my chest, coughing & stomach  
aches. He tested for t.B. w/ chest X-ray  
& skin test. Tomorrow morning they  
take ~~they take~~ blood samples, urine  
sample & stool specimens. Some rain,  
warm, humid. We went to dinner  
at Club Panamar. Excellent food.





C. Cavalier  
1967

# Journal

76

## Canal Zone, Rep de Panama

Oct. 11<sup>th</sup> 7<sup>00</sup> AM finds Carolyn at Doctor's. (had to go 2 other times during day) A day of nelly, purrpy. Short nap. Warm day, rain heavier but not heavy. Dinner at the Shermans where I am staying. To sleep early 10<sup>30</sup>

Oct. 12<sup>th</sup> Ellen Sherman took me to lecture on Panama & the U.S. A.F. 50. given by Bill Sherman. More packing & making new tags. Dr. at 11:00. Really don't understand exactly what it is I have but he gave me penicillin for it. Some sort of bacteria & strep throat (but my throat isn't sore!) Also getting a game globulin shot. With all the illness in Darien I consider myself VERY lucky not to have anything serious! Fied, without success to locate some friends of Peter's to give message. Sent telegram to Yarina (in Spanish) from Post Office. Only possible certain hours (check before venturing out to try to find it)

Oct 13. more retagging & packing - Ellen & I went to culture program Bill arranged. got gamoglobulin # 773

# 774

, # 775

# 776

, # 777

were caught under the drain which runs under the drive way. They are there every night.





C. Cavalier  
1967

Journal

77

Albrook Air Force Base, Canal Zone

Oct ~~10~~<sup>10</sup> These (# 778 → 809) were collected by Peter Slattery in Yaveya. The only data I have is that # 782

was killed with a blow gun by an Indian.

Oct. 11 Collected by Peter Slattery in Yaveya

Oct 12 Collected by Peter Slattery in Yaveya

Oct 13 Collected by Peter Slattery in Yaveya

~~Oct 14~~ Taboga Island, Rep de Panama

Oct 14 Almost anyone can tell you where to get babt. \$1.00. 2 hotels - Recommended Chans - \$3.50 per night without food. 2 general stores but get anything you might need before leaving main land. The kids brought all the "goodies". I stayed only a few hours so not enough time to see where they collected. Will return if possible. # 839

in tree in zone 5<sup>30</sup> PM

Yaveya, Darien Prov., Rep de Panama

Oct 14 Collected by Peter Slattery in Yaveya

Oct 15 These 3 skulls were gifts given me by the Indians. The date they were killed is not known nor exact location

The lower jaws are all missing

Oct 17 ~~Albrook Air Force Base, Canal Zone~~  
crates made & packed. Total weight 100 lbs. exactly - Used straps of metal to discourage customs. Have no permits. 2 crates alcohols, 1 skeleton, 1 skins.





P. Cavelin

1967

# Journal

78

## Albrook Air Force Base, Canal Zone.

Oct 18

Pan. Am. for air freight. Call office for directions. Cost \$70.00 for 100 lbs. Planes do not leave every day check Pan American Airways air flight office. Speak English if necessary. No one asked for my collecting permit or shipper permit (export or import). I'm not certain why but I think its one of 3 reasons. First they were a little bewildered that a girl would send "this sort of thing" Second - return address I used Air Force Academy so crates were going from Academy to University. Third I was with Bill Sherman who speaks Spanish so well they didn't believe he was American except that he was in uniform. New conservation laws went into effect a few weeks ago AND no export of animals is allowed from here because of severe hoof & mouth disease. None of the animals I took out could have carried it because they were either alcoholics or ~~treated~~ skeletons or skins treated with arsenic. I smiled a lot but acted as if I knew exactly what I was doing. I hope it works! Next fun telegrams are 50¢ per word even in the





C. Cavalier  
1967

# Journal

79

Albrook Air Force Base Canal Zone  
Oct 18 address. I suggest a phone call - its cheaper. (try military radio MARS if possible) Contacts in the Canal Zone are invaluable. I recommend speaking Spanish to every Latin even if he speaks English. This impresses them & they love it. Peace Corps contacts are also invaluable. They know many of the "little things" that make all the difference. (Where to get what inexpensively, where to stay, who can help you in out of the way places, what families to visit, who to watch out for (very imp.)).

Oct 21 Saboga Island, Rep. de Panama  
Since Peter Mattery was in Panama for rabies shots he & I & several other peace corps volunteers decided to go to Saboga Island. Since there was no doctor there, I gave Peter the shot. We met 2 men who were stationed there & they showed us some houses on the far side of the island. Instead of going around the island by boat (which I recommended) we walked through the forest & down very steep & slippery hills. Getting back up the hills was difficult & I don't suggest it. & the tide had been low we could have





C. Cavaler  
1967

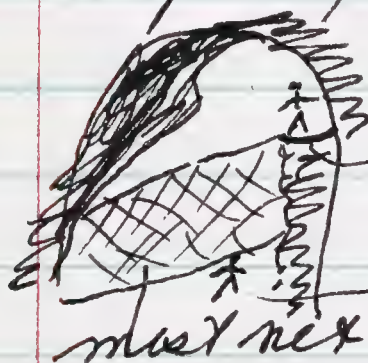
# Journal

80

Oct 21

## Vaboga Island, Rep de Panama

walked on the rocks around the island. To get to Vaboga is easy. Laender 9 once a day during the week & very often on weekends. The island is like a storybook. Little curving streets lined with flowers & trees. The bats were about 20 feet up. They were clustered in two groups. They weren't still - some were crawling down the walls & others were moving their heads around. Every 5 min or so one would fly from the group, circle & then land again in the pile of bats. I'd guess about 200 of them.



ledge where Peter stood - Henry & Don were on

side the cave & three rocks at the clusters of bats

Some fell dead & other were frightened & stunned & would try to fly out. Only about 10 were caught in the must net. Most flew out high up where Peter was. He had a fishing landing net & swung at them as they flew out. This stunned them more. He would then drop them to me & I injected them <sup>with formaldehyde</sup>. Some got away before I could inject them. We laughed the entire time because there were bats & stones flying everywhere. I am certain we lost about 30 bats because they fell





C. Caceres  
1967

## Journal

81

Oct 21

Taboga Island, Rep de Panama  
through the rocks on the cave floor & we  
couldn't reach them & we didn't bring  
flash lights. About 6 people inquired about  
my authorization to catch bats on Taboga.  
I explained that the University of California  
had made all arrangements for me & I  
wasn't exactly certain what channels  
they used to do it. My, my, its a good thing  
no one wanted to see the permits (which  
don't exist.) The bats # 843 - 891.

Oct 22

From a fresh water sewer & stream combination  
came # 909 a collection of tadpoles &  
frogs. # 892 - # 907 were collected  
from all over the island. They are EVERYWHERE.  
Got a ride in a truck (only one on island -  
no cars only 1 jeep for army) up to the radar  
sight. Great view of Panama & all the  
islands around & the ships waiting to get into the  
canal. # 908 on wall  
of cement.

~~Oct~~

Panama City <sup>and</sup> Darien Prov., Rep de Panama

Oct 30

Left hotel Bella Vista (\$2.50 per night) at 5 AM  
to Patilla air port (\$1.00) & to TASA  
air lines. The Gavina air strip is now  
condemned so one must fly to El Real  
& take boat to Gavina. ADASA has boat  
at Gavina that waits for airplane but





C. Cavalier  
1967

# Journal

82

Oct 30

## Darien Prov., Panama

at El Real is has nothing. AD5A is a 2 engine plane (had an accident 3 days ago but no one hurt). TASA is an antique one engine but it has a jeep (at El Real) which can take one to the river to catch a boat to Yaviza. The reason I stayed in Panama City for so long was that Peter was getting his rabbit shots & I didn't want to be in Yaviza alone. I'm certain that is being super cautious but... took TASA - this time only 6 in plane - I was much more comfortable. Landed at Yaviza:  
La Palma - farm town - amazingly little fishing - shrimp boats but not actually from La Palma - no hotel landing field long - capital of Darien Place corps there I cleared land because there are many Chiriguano who farm  
Garachiné - landing field long & bumpy - moderate clearing - pop  $\approx$  500. no place corps, no missionary - no hotel horses -

Sambu - landing field bumpy - extensive clearing near town - many Indians river to Sambu is navigable by shrimp boats - no hotel - Dick Scott is missionary who might be able to





C. C. Cullen  
1967

## Journal

83

Oct 30.

Darien Prov. Rep de Panama  
give information re renting of boats or  
horses pop. less than 500. Rivers  
good for transportation.

People are friendly. If one wanted to,  
one could go to any town in Darien (with  
permits) talk to the Guardia & he  
might find a place to stay in one of the  
houses. As a gift for spending the night  
(rather than paying money) 22 shells  
would be great. (\$100. per night) ~~per night~~  
American canned food also good gift.  
It is best not to pay them in money when  
they do you a favor (like spend the night)  
& however you rent a boat & a boatman  
pay in dollars. Boat, boatman (highly  
recommended) and motor should be  
no more than \$5 for ~~boat~~ motor, \$ for  
boatman, \$1 for boat plus gas. For  
a collecting trip you might want a marinero  
(pole man) about \$2.00 a day. The  
upper rivers frequently require poling  
rather than motors. These people  
should ~~be~~ cook & set up camp for  
above price. There is a Doctor in El  
Real, La Palma & maybe Jaque.  
Telegraph in Yaviza, El Real, & La Palma  
maybe Jaque. The river water is not





C. Paulsen  
1967

# Journal

84

## Darien Prov., Rep de Panama

Oct 30

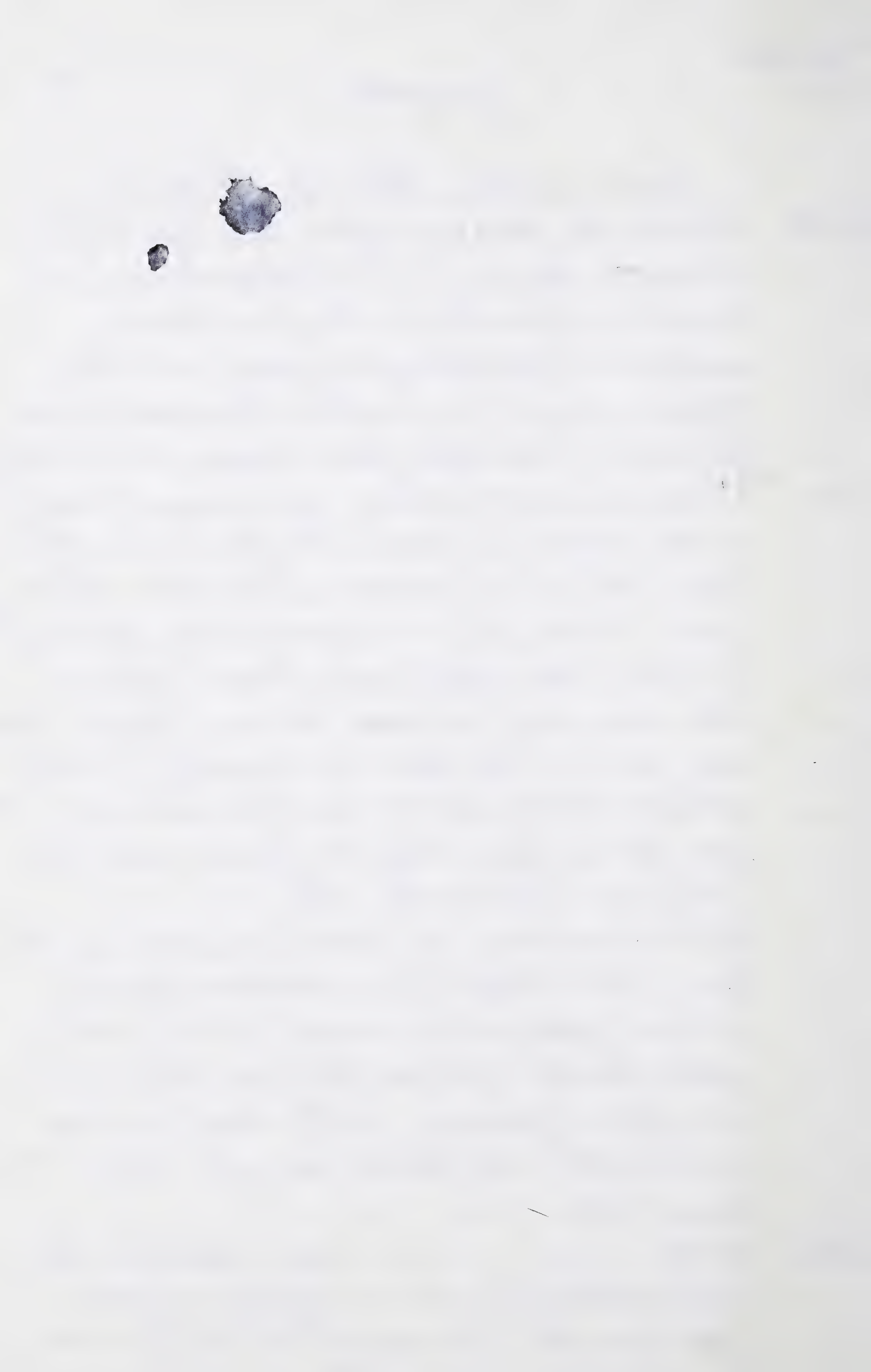
drinkable without purification tablets. Common diseases: T.B., hepatitis and amoebic dysentery. Staphylococcus infections are common with cuts etc. If food is bought in quantity & transported here by boat it is cheaper than buying it in Darien. Coca Cola is everywhere (frequently cold) if one doesn't want to drink town water. I am told the liquor is terrible. Always ask Peace Corp & missionaries for help. One can buy good fresh bread early in the morning in ~~most~~ towns. If you want the kids of the town or "monte" to help collect bring lots of rubber tubing. ±15¢ per foot if you buy 50 feet at one time. Get this in Panama City.

After landing in El Real we went up the Rio Pirre & visited an Indian family. We used machette several times to cut path through fallen trees in the river. We got to Yaviza (after rain) in time for dinner. The kids brought # 910 - 917 from town.

Oct 31

# 918

was found in the little stream in town. Tried to force feed him but he would <sup>not</sup> eat so he is now a specimen. # 918 - 924 are all from town





C. Carls  
1967

# Journal

85

Oct 31

Yaviza, Darien Prov. - Esp. de Panama

#927

\* #928

were caught in houses. #929 + 930

from edge of town. Rain not heavy  
though lasted a long time.

Nov. 1

#931

#932

#935

in trees in town #933

#934

and 940

from houses. #936

to

from brushy area. #937

#938

#939

in town. #941

under house. #942

#943 edge of town.

Nov. 2

All souls day - parade in town by school  
kids. #944

from house. #945

#949

#950

, #951

#952

are from town. #953

was said to have come

from town but I have never seen ~~one~~ one in town.

He was brought in soaping wet. He sort of squeaks  
when held for a long time. I gave him the

bath because he was muddy & he squeaked  
the entire time. With 4 little hunters we

went across & up river. We saw very few  
birds. #946

was shot ± 200

yards from the river. #947





C. Cavallini  
1967

Journal

86

Yaviza, Darien Prov., Barro Colorado

Nov. 2 ~~was~~ shot in dense brush. about 2 1/2 mi from river.  
The week was up & down hills & hot. # 948

was shot from tree  $\pm$  75 feet up.  
I got only the skull & don't know what sex it  
is. Light rain  $\pm$  1 hour.

Nov. 3 # 948 (skull only) was part of  
breakfast this morning. Not bad really.  
Ends # 954 # 957

from town. # 955  
and # 956. from same house with  
thatched roof. Another parade - this one to  
celebrate Panama's independence from  
Colombia. # 959 & # 960

from across the river from Yaviza found in grass.  
Nov. 4 # 962 by little hunter  
who said he got it in a tree. # 963 - 973

are from pajá roofs  
in town. Method of catch same as up  
river with the Indians. Take the roof &  
when the bats fly out catch them in a  
fish catching net. This causes some confusion  
because dirt falls & bats fly all over.  
Very heavy rain for about 15 minutes only.  
overcast in morning, hot day, heavy rain,  
then clear night & sky.

Nov. 5 Very hot - Spent most of the day taking  
pictures. # 974 - 991 from Yaviza.





C. Cavalier  
1967

# Journal

87

Yaviza, Darien Prov., Panama

Nov. 6 To El Real - Pito has something in his foot & we can't get it out. 2 hrs. wait for doctor.

Bought a little wooden (coco bolo) armadillo made by some Indians. # 992 - 997 are from Yaviza shot by little hunters. Some rain - VERY hot tonight  $\pm 8^{30}$  PM

Nov. 7 # 998

, # 999

# 1001

from across the river

from Yaviza - Still considered Yaviza by people here. # 1000

from pajá roof in town. # 1002

& # 1003

Yaviza.

overcast very little sun but very warm. about 8 Indians visiting - confusion. I packed to go up river tomorrow.

Nov 8-12 # 1007

1008

by little hunters. Up river - bought 2 "little cats" One ocelot & one margay. Both were \$10.00 each. Also bought one <sup>\$2.00</sup> parrot & a macaw \$4.00.

Nov. 13 # 1017  $\rightarrow$  1056 little hunters brought.

Nov 14 1057  $\rightarrow$  1074 " " "

Packing to go to Panama. Almost all time playing with two cats & two gibsons. (\$5.00 each) Gibsons smell sweet very poorly. Eat each meal as if they hadn't eaten in days.





C. Cavalieri  
1967

# Journal

88

- Yaviza, Darien Prov., Panama
- Nov. 14 cont. Peter's friends gave going away party for him.
- Nov. 15 Plane to Panama
- Nov. 26 The #1075 I bought up river died. I think the parrot it shared the cage with pecked it to death. Two days ago it had checked by vet & was alright.
- Nov. 27 Shipment to MVZ. Also sent the two cats & two grasshoppers & one parrot home. Cages had to be built to special measurements. They did ask for health certificates for animals but not for specimens for MVZ.







117768















